TOBACCO INSTITUTE TESTING LABORATORY

PER CIGARETTE

AND

PER PUFF DATA

MARKET SAMPLE NO. 26

PM3000763273

Source: https://www.industrydocuments.ucsf.edu/docs/hrvl0001

SECTION I

PER CIGARETTE DATA

PM3000763274

Source: https://www.industrydocuments.ucsf.edu/docs/hrvl0001

Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Alpine	$\bar{X}$	14.1±0.3	0.92±0.03	14.1±0.4	2.2±0.1	17.2±0.4	8.0±0.2
king size	s	0.7	0.06	0.9	0.3	1.0	0.4
filter menthol	CV	4.8	6.5	6.2	15.1	5.8	4.8
soft pack							
Barclay	$\bar{X}$	0.9±0.2	0.15±0.03	1.2±0.2	0.1±0.03	1.2±0.3	8.4±0.2
king size	s	0.5	0.06	0.4	0.1	0.6	0.5
filter	CV	53.4	39.0	34.1	71.6	49.9	6.3
hard pack							
Barclay	$\bar{X}$	0.8±0.2	0.12±0.02	1.0±0.2	0.1±0.02	1.0±0.2	8.8±0.2
king size	s	0.4	0.05	0.4	0.04	0.4	0.4
filter	CV	49.4	39.2	36.3	80.9	46.6	4.3
soft pack							
Barclay	$\bar{X}$	1.0±0.2	0.12±0.01	1.5±0.2	0.1±0.03	1.2±0.2	8.0±0.2
king size	s	0.4	0.03	0.4	0.1	0.4	0.4
filter menthol	CV	36.4	27.7	29.4	94.1	33.6	4.9
soft pack							
Barclay	$\bar{X}$	2.9±0.2	0.32±0.02	2.6±0.2	0.2±0.03	3.4±0.2	9.8±0.2
100 mm	s	0.4	0.04	0.4	0.1	0.4	0.5
filter	CV	12.3	12.2	16.0	35.8	12.2	5.1
soft pack							
Barclay	$\bar{X}$	2.9±0.2	0.30±0.02	2.7±0.2	0.2±0.03	3.4±0.3	9.4±0.2
100mm	s	0.5	0.04	0.5	0.1	0.6	0.5
filter menthol	CV	18.3	12.6	19.5	39.4	18.0	5.4
soft pack							
Belair	$\bar{X}$	8.8±0.3	0.78±0.02	9.9±0.3	0.9±0.1	10.5±0.3	8.0±0.1
king size	s	0.6	0.04	0.7	0.2	0.7	0.3
filter menthol	CV	6.5	4.8	7.1	18.8	6.8	3.6
soft pack							

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Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Belair	$\bar{X}$	9.4±0.3	0.73±0.02	11.8±0.3	0.8±0.04	11.0±0.3	8.5±0.2
100 mm	s	0.6	0.05	0.8	0.1	0.7	0.4
filter menthol	CV	6.3	6.9	6.4	10.5	6.3	4.9
soft pack							
Benson & Hedges	$\bar{X}$	0.7±0.1	0.09±0.01	1.7±0.2	0.1±0.02	0.9±0.1	6.7±0.1
regular size	s	0.3	0.02	0.5	0.1	0.3	0.3
filter	CV	38.5	21.6	29.3	76.5	32.7	4.9
hard pack							
Benson & Hedges	$\bar{X}$	15.3±0.5	1.24±0.04	12.8±0.4	1.9±0.2	18.4±0.6	8.7±0.2
king size	s	1.0	0.08	0.8	0.3	1.4	0.4
filter	CV	6.6	6.4	6.6	17.6	7.6	5.1
hard pack							
Benson & Hedges 100's	$\bar{X}$	15.9±0.5	1.13±0.04	15.5±0.5	2.0±0.1	19.0±0.6	9.2±0.2
100 mm	s	1.1	0.10	1.2	0.3	1.4	0.4
filter	CV	6.9	8.7	7.5	15.3	7.5	4.4
hard pack							
Benson & Hedges 100's	$\bar{X}$	15.9±0.4	1.11±0.03	15.4±0.3	2.0±0.1	19.1±0.5	9.5±0.2
100 mm	s	0.8	0.07	0.7	0.2	1.1	0.5
filter menthol	CV	5.3	6.3	4.5	11.3	5.6	5.0
hard pack							
Benson & Hedges 100's	$\bar{X}$	16.7±0.5	1.20±0.04	16.8±0.5	2.1±0.1	20.0±0.6	9.7±0.2
100 mm	s	1.1	0.10	1.2	0.2	1.4	0.4
filter	CV	6.6	8.1	7.1	11.6	6.8	3.8
soft pack							
Benson & Hedges 100's	$\bar{X}$	16.2±0.4	1.19±0.03	16.5±0.4	1.9±0.1	19.2±0.5	9.7±0.2
100 mm	s	0.9	0.07	0.8	0.2	1.1	0.5
filter menthol	CV	5.5	5.5	4.9	10.4	5.7	4.7
soft pack							

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Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Benson & Hedges Lights 100's 100 mm filter hard pack	$\bar{X}$	11.3±0.2	0.85±0.02	13.3±0.3	1.2±0.04	13.3±0.2	9.1±0.1
	s	0.5	0.04	0.6	0.1	0.5	0.2
	CV	4.1	4.2	4.5	8.5	4.1	2.6
Benson & Hedges Lights 100's 100 mm filter menthol hard pack	$\bar{X}$	10.5±0.3	0.85±0.03	12.1±0.5	1.0±0.05	12.4±0.4	10.4±0.4
	s	0.7	0.06	1.0	0.1	0.9	0.9
	CV	7.0	7.2	8.5	10.2	7.0	8.8
Benson & Hedges Lights 100's 100 mm filter soft pack	$\bar{X}$	10.5±0.4	0.83±0.02	12.9±0.6	1.0±0.1	12.4±0.5	9.3±0.2
	s	0.9	0.05	1.2	0.2	1.1	0.4
	CV	8.6	6.5	9.6	15.9	8.6	3.9
Benson & Hedges Lights 100's 100 mm filter menthol soft pack	$\bar{X}$	10.0±0.3	0.74±0.07	11.6±0.4	1.0±0.1	11.7±0.3	9.2±0.2
	s	0.6	0.15	0.8	0.1	0.7	0.4
	CV	6.0	20.8	6.9	13.3	6.3	4.0
Benson & Hedges Multifilter king size filter soft pack	$\bar{X}$	12.0±0.3	0.85±0.02	11.6±0.3	1.7±0.1	14.5±0.4	7.5±0.1
	s	0.6	0.05	0.6	0.2	0.8	0.3
	CV	5.2	6.3	5.2	11.1	5.5	4.3
Benson & Hedges Multifilter king size filter menthol soft pack	$\bar{X}$	10.9±0.5	0.83±0.03	10.6±0.5	1.4±0.2	13.2±0.5	7.5±0.2
	s	1.0	0.07	1.1	0.5	1.2	0.4
	CV	9.6	8.4	10.4	36.0	9.3	5.4

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Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Bull Durham	$\bar{X}$	29.1±0.6	2.10±0.06	23.1±0.4	6.1±0.3	37.3±0.9	10.7±0.2
king size	s	1.4	0.14	0.9	0.6	1.9	0.5
filter	CV	5.0	6.4	3.7	9.8	5.2	4.3
soft pack							
Cambridge	$\bar{X}$	-0.3±0.1	<0.02	0.1±0.04	0.0±0.04	-0.4±0.1	7.4±0.2
king size	s	0.2		0.1	0.1	0.1	0.5
filter	CV	48.7		112.6	169.2	36.4	7.0
hard pack							
Cambridge	$\bar{X}$	0.6±0.1	0.10±0.01	1.3±0.1	0.1±0.03	0.7±0.1	7.8±0.2
king size	s	0.2	0.01	0.2	0.1	0.2	0.4
filter	CV	35.0	15.0	14.9	132.2	29.0	5.7
soft pack							
Cambridge 100's	$\bar{X}$	3.3±0.1	0.37±0.01	5.6±0.2	0.2±0.03	3.9±0.2	8.8±0.2
100 mm	s	0.3	0.03	0.5	0.1	0.4	0.5
filter	CV	9.9	8.8	9.2	26.7	9.9	6.1
soft pack							
Camel	$\bar{X}$	20.6±0.4	1.39±0.03	13.0±0.3	3.1±0.2	25.0±0.6	6.7±0.1
regular size	s	0.9	0.07	0.7	0.4	1.3	0.3
non-filter	CV	4.5	4.7	5.4	12.6	5.0	4.3
soft pack							
Camel Filters	$\bar{X}$	15.4±0.5	1.11±0.03	15.3±0.6	3.3±0.3	19.9±0.8	8.1±0.2
king size	s	1.0	0.07	1.2	0.7	1.7	0.4
filter	CV	6.5	6.1	8.1	20.6	8.6	4.5
soft pack							
Camel Lights	$\bar{X}$	7.5±0.3	0.73±0.03	7.9±0.3	0.8±0.1	9.0±0.3	8.2±0.2
king size	s	0.6	0.06	0.8	0.1	0.7	0.4
filter	CV	8.1	7.9	9.6	17.1	8.2	4.4
hard pack							

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Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Camel Lights	$\bar{X}$	8.1±0.2	0.75±0.02	10.6±0.3	0.9±0.1	9.7±0.3	7.5±0.2
king size	s	0.5	0.05	0.6	0.1	0.6	0.4
filter	CV	6.2	6.8	5.6	15.2	6.7	5.0
soft pack							
Camel Lights 100's	$\bar{X}$	11.5±0.3	0.89±0.03	14.5±0.3	1.3±0.1	13.7±0.3	9.0±0.2
100 mm	s	0.6	0.06	0.7	0.1	0.7	0.4
filter	CV	4.9	6.6	4.6	9.5	4.8	3.9
soft pack							
Carlton	$\bar{X}$	-0.3±0.1	<0.02	0.05±0.03	0.0±0.03	-0.3±0.1	6.6±0.3
king size	s	0.1		0.1	0.1	0.1	0.6
filter	CV	39.3		155.6	558.0	34.4	8.9
hard pack							
Carlton	$\bar{X}$	0.8±0.1	0.12±0.01	1.8±0.1	0.1±0.02	1.0±0.1	7.0±0.2
king size	s	0.2	0.02	0.3	0.1	0.2	0.4
filter	CV	20.8	19.8	15.4	79.7	19.3	5.6
soft pack							
Carlton	$\bar{X}$	0.4±0.1	0.09±0.01	1.1±0.1	0.1±0.02	0.5±0.1	6.5±0.2
king size	s	0.2	0.02	0.3	0.1	0.2	0.4
filter menthol	CV	49.2	25.4	28.4	94.9	42.7	6.3
soft pack							
Carlton 100's	$\bar{X}$	0.4±0.1	0.09±0.01	0.8±0.1	0.0±0.03	0.6±0.1	8.2±0.2
100 mm	s	0.2	0.01	0.2	0.1	0.2	0.5
filter	CV	36.6	15.9	26.3	169.3	32.4	5.9
hard pack							
Carlton 100's	$\bar{X}$	0.6±0.1	0.10±0.02	0.8±0.2	0.0±0.03	0.7±0.2	7.6±0.2
100mm	s	0.3	0.04	0.4	0.1	0.4	0.4
filter menthol	CV	60.6	38.4	54.7	151.7	57.7	5.7
hard pack							

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Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Carlton 100's	$\bar{X}$	4.1±0.3	0.42±0.02	5.7±0.4	0.3±0.1	4.9±0.4	8.3±0.2
100 mm	s	0.7	0.05	0.8	0.1	0.9	0.4
filter	CV	17.6	11.1	14.4	33.0	17.5	4.3
soft pack							
Carlton 100's	$\bar{X}$	4.1±0.3	0.43±0.03	5.6±0.5	0.3±0.04	4.9±0.4	8.3±0.2
100 mm	s	0.8	0.06	1.1	0.1	0.9	0.5
filter menthol	CV	18.4	14.1	19.0	28.1	18.2	5.5
soft pack							
Carlton 120's	$\bar{X}$	5.3±0.3	0.58±0.02	4.6±0.2	0.5±0.1	6.3±0.3	11.6±0.3
120mm	s	0.6	0.06	0.5	0.1	0.7	0.6
filter	CV	11.2	9.6	11.5	24.7	11.2	5.2
soft pack							
Carlton 120's	$\bar{X}$	5.9±0.3	0.66±0.03	5.2±0.2	0.5±0.03	7.1±0.4	11.2±0.3
120mm	s	0.7	0.06	0.5	0.1	0.8	0.7
filter menthol	CV	12.0	9.2	10.5	14.1	11.4	6.2
soft pack							
Chesterfield	$\bar{X}$	20.9±0.5	1.42±0.04	13.3±0.3	3.5±0.3	25.8±0.8	7.0±0.2
regular size	s	1.2	0.10	0.7	0.6	1.7	0.5
non-filter	CV	5.7	7.0	5.5	16.8	6.5	7.3
soft pack							
Chesterfield	$\bar{X}$	24.6±0.6	1.75±0.05	15.6±0.6	3.5±0.2	29.9±0.8	9.2±0.2
king size	s	1.3	0.11	1.2	0.5	1.8	0.4
non-filter	CV	5.2	6.1	8.0	14.6	6.0	4.7
soft pack							
Chesterfield	$\bar{X}$	14.9±0.4	1.07±0.03	15.1±0.4	3.4±0.3	19.3±0.7	7.2±0.2
king size	s	0.9	0.06	0.9	0.7	1.5	0.4
filter	CV	5.7	5.4	6.0	20.1	7.9	5.0
soft pack							

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Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Chesterfield 101	$\bar{X}$	14.7±0.4	1.14±0.03	16.7±0.5	2.1±0.1	18.0±0.6	7.8±0.1
100 mm	s	0.9	0.08	1.1	0.3	1.3	0.3
filter	CV	6.3	6.8	6.6	16.0	7.1	4.3
soft pack							
Decade	$\bar{X}$	5.0±0.2	0.50±0.02	4.9±0.3	0.4±0.04	5.9±0.3	7.0±0.2
king size	s	0.5	0.05	0.7	0.1	0.6	0.4
filter	CV	10.1	10.5	13.5	22.9	10.5	5.3
soft pack							
Decade	$\bar{X}$	5.0±0.2	0.49±0.02	4.6±0.3	0.4±0.03	5.9±0.3	7.0±0.2
king size	s	0.5	0.05	0.7	0.1	0.6	0.4
filter menthol	CV	9.9	10.2	15.1	17.7	9.8	6.2
soft pack							
Decade 100's	$\bar{X}$	7.9±0.2	0.84±0.02	7.0±0.3	0.7±0.04	9.4±0.3	8.9±0.2
100 mm	s	0.5	0.05	0.6	0.1	0.6	0.4
filter	CV	6.5	6.1	8.8	14.0	6.4	4.7
soft pack							
Doral II	$\bar{X}$	4.1±0.2	0.40±0.02	3.9±0.2	0.3±0.04	4.8±0.2	7.4±0.2
king size	s	0.5	0.04	0.5	0.1	0.6	0.4
filter	CV	11.5	9.3	13.3	24.5	11.4	4.9
soft pack							
Doral II	$\bar{X}$	4.0±0.2	0.41±0.02	3.6±0.2	0.3±0.04	4.8±0.2	7.2±0.2
king size	s	0.4	0.04	0.6	0.1	0.5	0.4
filter menthol	CV	11.0	10.1	15.3	23.3	11.0	5.3
soft pack							
DuMaurier	$\bar{X}$	16.8±0.8	1.15±0.06	18.8±0.7	3.4±0.4	21.3±1.2	8.5±0.3
king size	s	1.9	0.14	1.6	0.8	2.7	0.7
filter	CV	11.1	12.3	8.4	23.4	12.7	8.4
hard pack							

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Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
English Ovals	$\bar{X}$	21.7±0.5	1.77±0.06	12.1±0.4	3.1±0.2	26.6±0.7	8.2±0.3
regular size	s	1.2	0.13	0.8	0.4	1.6	0.6
non-filter	CV	5.4	7.1	6.9	14.5	6.0	7.6
hard pack							
English Ovals	$\bar{X}$	26.7±0.8	2.24±0.06	14.4±0.6	3.2±0.2	32.2±1.0	11.0±0.3
king size	s	1.7	0.13	1.3	0.5	2.3	0.6
non-filter	CV	6.5	5.9	8.8	15.5	7.1	5.4
hard pack							
Eve Lights 100's	$\bar{X}$	12.5±0.4	1.05±0.03	13.6±0.5	1.6±0.1	15.2±0.5	7.7±0.1
100 mm	s	0.8	0.07	1.1	0.3	1.2	0.3
filter	CV	6.7	6.4	8.3	20.8	7.9	3.9
soft pack							
Eve Lights 100's	$\bar{X}$	12.6±0.3	1.03±0.03	13.3±0.5	1.6±0.1	15.2±0.5	7.7±0.2
100 mm	s	0.7	0.06	1.0	0.3	1.0	0.3
filter menthol	CV	5.7	6.0	7.6	16.8	6.6	4.5
soft pack							
Eve Lights 120's	$\bar{X}$	13.5±0.5	1.17±0.04	11.4±0.6	1.2±0.1	15.8±0.7	13.8±0.2
120 mm	s	1.2	0.09	1.3	0.2	1.5	0.5
filter	CV	9.0	8.0	11.5	16.1	9.4	3.6
hard pack							
Eve Lights 120's	$\bar{X}$	13.7±0.3	1.19±0.03	11.7±0.4	1.3±0.1	16.1±0.4	13.6±0.3
120 mm	s	0.8	0.07	0.9	0.3	0.9	0.6
filter menthol	CV	5.5	5.8	7.8	23.3	5.3	4.7
hard pack							
Galaxy	$\bar{X}$	15.1±0.4	1.03±0.03	15.6±0.4	2.3±0.1	18.4±0.5	7.8±0.2
king size	s	0.8	0.06	0.9	0.2	1.1	0.4
filter	CV	5.4	5.7	5.9	10.0	5.8	4.9
soft pack							

PM3000763282

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Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Golden Lights	$\bar{X}$	7.4±0.3	0.72±0.03	8.0±0.3	0.7±0.1	8.9±0.4	6.9±0.2
king size	s	0.7	0.07	0.7	0.2	1.0	0.4
filter	CV	10.0	9.1	8.6	25.6	10.7	5.5
soft pack							
Golden Lights	$\bar{X}$	7.8±0.3	0.74±0.02	8.3±0.4	0.8±0.1	9.3±0.3	6.7±0.1
king size	s	0.6	0.05	0.9	0.1	0.7	0.3
filter menthol	CV	7.8	6.7	10.7	16.3	8.0	4.2
soft pack							
Golden Lights 100's	$\bar{X}$	8.0±0.3	0.80±0.03	8.2±0.5	0.7±0.04	9.5±0.3	8.5±0.1
100 mm	s	0.6	0.06	1.0	0.1	0.8	0.3
filter	CV	8.1	8.0	12.6	11.4	8.1	3.7
soft pack							
Golden Lights 100's	$\bar{X}$	7.2±0.4	0.73±0.03	7.5±0.5	0.6±0.04	8.6±0.4	8.6±0.2
100 mm	s	0.8	0.07	1.1	0.1	0.9	0.5
filter menthol	CV	11.2	9.3	14.5	14.7	10.7	6.4
soft pack							
Half & Half	$\bar{X}$	17.8±0.5	1.51±0.04	16.9±0.4	3.8±0.3	23.1±0.8	10.0±0.2
king size	s	1.2	0.09	0.9	0.7	1.9	0.4
filter	CV	6.7	6.1	5.5	18.5	8.2	3.5
soft pack							
Herbert Tareyton	$\bar{X}$	27.6±0.7	1.94±0.05	19.2±0.6	4.4±0.2	34.0±0.9	9.4±0.3
king size	s	1.5	0.12	1.4	0.5	2.0	0.6
non-filter	CV	5.5	6.0	7.1	10.9	6.0	6.3
soft pack							
Iceberg 100's	$\bar{X}$	2.5±0.1	0.28±0.01	3.6±0.2	0.2±0.02	3.0±0.1	8.3±0.2
100 mm	s	0.3	0.03	0.4	0.1	0.3	0.4
filter menthol	CV	10.6	10.8	10.0	27.6	10.9	5.3
soft pack							

PM3000763283

Source: https://www.industrydocuments.ucsf.edu/docs/hrvl0001

Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Kent Micronite II king size filter hard pack	$\bar{X}$	12.8±0.4	1.00±0.03	13.0±0.5	2.1±0.2	15.8±0.5	7.9±0.2
	s	0.8	0.07	1.1	0.4	1.1	0.4
	CV	6.1	6.6	8.2	18.1	7.1	4.5
Kent Micronite II king size filter soft pack	$\bar{X}$	12.2±0.3	1.01±0.03	12.3±0.4	1.7±0.2	15.0±0.4	8.2±0.1
	s	0.6	0.06	0.8	0.3	0.9	0.3
	CV	5.0	5.7	6.8	19.9	6.1	3.9
Kent Micronite II 100 mm filter soft pack	$\bar{X}$	14.2±0.4	1.17±0.03	13.6±0.5	1.6±0.1	17.0±0.5	9.3±0.2
	s	1.0	0.06	1.1	0.2	1.2	0.5
	CV	6.7	5.1	8.1	14.5	7.2	5.4
Kent Micronite II 100 mm filter menthol soft pack	$\bar{X}$	14.3±0.3	1.26±0.03	13.6±0.4	1.6±0.1	17.2±0.4	8.9±0.1
	s	0.7	0.07	0.9	0.2	0.9	0.3
	CV	5.0	5.2	6.5	14.5	5.4	3.7
Kent III king size filter soft pack	$\bar{X}$	2.4±0.1	0.33±0.01	2.8±0.2	0.2±0.03	2.9±0.2	7.0±0.1
	s	0.3	0.03	0.3	0.1	0.4	0.3
	CV	12.9	9.8	12.4	32.1	12.1	4.8
Kent III 100 mm filter soft pack	$\bar{X}$	4.2±0.2	0.51±0.02	6.2±0.2	0.3±0.1	5.1±0.2	8.0±0.1
	s	0.4	0.05	0.4	0.1	0.5	0.3
	CV	10.6	8.8	6.7	36.6	10.1	3.8
Kool regular size non-filter menthol soft pack	$\bar{X}$	18.7±0.6	1.12±0.04	14.5±0.5	2.8±0.2	22.6±0.8	6.5±0.2
	s	1.3	0.09	1.0	0.4	1.7	0.3
	CV	7.1	7.6	6.9	15.0	7.6	5.4

PM3000763284

Source: https://www.industrydocuments.ucsf.edu/docs/hrvl0001

Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Kool	$\bar{X}$	16.3±0.4	1.21±0.03	16.9±0.4	3.7±0.3	21.2±0.7	7.4±0.2
king size	s	0.9	0.07	0.8	0.8	1.5	0.4
filter menthol	CV	5.3	5.4	5.0	20.6	7.3	4.7
hard pack							
Kool	$\bar{X}$	17.0±0.4	1.23±0.03	15.8±0.5	4.2±0.4	22.5±0.7	7.4±0.2
king size	s	0.8	0.08	1.2	0.9	1.6	0.3
filter menthol	CV	4.7	6.1	7.4	21.1	7.1	4.6
soft pack							
Kool Milds	$\bar{X}$	10.8±0.4	0.86±0.03	12.1±0.4	1.6±0.2	13.3±0.6	7.0±0.1
king size	s	0.9	0.06	1.0	0.4	1.3	0.3
filter menthol	CV	8.1	7.1	7.9	28.1	10.1	4.1
soft pack							
Kool Milds	$\bar{X}$	11.6±0.3	0.92±0.03	13.5±0.3	1.1±0.05	13.6±0.3	8.9±0.1
100 mm	s	0.6	0.06	0.8	0.1	0.7	0.3
filter menthol	CV	5.2	6.6	5.6	9.5	5.4	3.2
soft pack							
Kool Lights	$\bar{X}$	8.9±0.2	0.74±0.02	10.2±0.4	0.9±0.1	10.5±0.3	7.5±0.2
king size	s	0.5	0.05	0.8	0.1	0.6	0.4
filter menthol	CV	5.3	6.7	7.9	12.7	5.4	4.7
soft pack							
Kool Lights 100's	$\bar{X}$	10.6±0.3	0.89±0.03	11.2±0.3	1.0±0.04	12.5±0.3	9.0±0.2
100 mm	s	0.6	0.06	0.7	0.1	0.8	0.5
filter menthol	CV	6.0	7.2	5.9	10.0	6.1	5.6
soft pack							
Kool Super Lights	$\bar{X}$	6.3±0.3	0.55±0.02	6.8±0.4	0.6±0.1	7.4±0.4	7.8±0.2
king size	s	0.7	0.04	0.8	0.1	0.8	0.4
filter menthol	CV	10.6	7.9	12.1	21.0	10.7	5.5
soft pack							

PM3000763285

Source: https://www.industrydocuments.ucsf.edu/docs/hrvl0001

Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Kool Super Lights 100's	$\bar{X}$	9.5±0.3	0.72±0.03	12.0±0.4	0.9±0.1	11.0±0.4	8.7±0.2
100 mm	s	0.8	0.06	1.0	0.1	0.9	0.4
filter menthol	CV	8.2	8.3	8.0	13.4	8.2	4.2
soft pack							
Kool Super Longs 100's	$\bar{X}$	13.7±0.4	0.98±0.03	16.1±0.7	1.9±0.1	16.6±0.5	7.9±0.1
100 mm	s	0.9	0.06	1.5	0.3	1.1	0.3
filter menthol	CV	6.7	6.3	9.3	15.8	6.5	4.0
soft pack							
Kool Ultra	$\bar{X}$	1.7±0.3	0.18±0.03	1.7±0.3	0.1±0.04	2.0±0.4	8.2±0.2
king size	s	0.7	0.06	0.6	0.1	0.8	0.5
filter menthol	CV	41.1	34.8	36.7	107.8	42.4	6.5
soft pack							
Kool Ultra 100's	$\bar{X}$	4.0±0.3	0.42±0.03	3.7±0.3	0.3±0.04	4.7±0.4	9.7±0.2
100mm	s	0.7	0.07	0.7	0.1	0.8	0.4
filter menthol	CV	16.6	16.8	18.1	28.9	16.8	4.2
soft pack							
L & M	$\bar{X}$	14.6±0.5	1.06±0.04	15.0±0.4	3.8±0.5	19.5±1.0	6.8±0.1
king size	s	1.1	0.10	0.9	1.2	2.3	0.3
filter	CV	7.2	9.4	6.2	31.0	11.6	3.8
hard pack							
L & M	$\bar{X}$	14.6±0.4	1.07±0.03	15.4±0.6	3.0±0.3	18.7±0.6	7.2±0.2
king size	s	0.8	0.06	1.2	0.6	1.4	0.4
filter	CV	5.5	6.1	8.0	20.1	7.6	5.9
soft pack							
L & M	$\bar{X}$	14.5±0.4	1.14±0.03	16.4±0.4	2.0±0.1	17.7±0.5	7.8±0.1
100 mm	s	0.8	0.06	0.9	0.3	1.0	0.3
filter	CV	5.6	5.4	5.7	14.1	5.9	3.9
soft pack							

PM3000763286

Source: https://www.industrydocuments.ucsf.edu/docs/hrvl0001

Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
L & M Lights	$\bar{X}$	8.1±0.3	0.83±0.02	7.0±0.3	0.7±0.05	9.7±0.3	7.7±0.2
king size	s	0.6	0.05	0.7	0.1	0.7	0.4
filter	CV	7.2	5.7	9.8	14.9	7.0	4.8
soft pack							
L & M Lights	$\bar{X}$	7.9±0.3	0.85±0.03	6.3±0.2	0.6±0.03	9.3±0.3	8.9±0.2
100 mm	s	0.6	0.07	0.4	0.1	0.7	0.5
filter	CV	7.6	8.6	7.0	13.1	7.5	5.2
soft pack							
L & M Lights	$\bar{X}$	7.7±0.2	0.83±0.02	6.1±0.3	0.6±0.04	9.1±0.2	9.0±0.2
100 mm	s	0.4	0.04	0.6	0.1	0.4	0.4
filter menthol	CV	4.7	4.7	10.5	14.3	4.7	4.1
soft pack							
Lark	$\bar{X}$	14.9±0.4	1.19±0.03	14.1±0.4	3.2±0.2	19.3±0.6	7.7±0.2
king size	s	0.8	0.07	0.9	0.5	1.3	0.4
filter	CV	5.4	5.7	6.1	15.1	6.6	5.1
soft pack							
Lark	$\bar{X}$	15.4±0.4	1.30±0.04	14.6±0.4	2.5±0.2	19.1±0.6	8.8±0.2
100 mm	s	1.0	0.08	1.0	0.4	1.4	0.4
filter	CV	6.3	6.4	6.9	17.5	7.5	4.0
soft pack							
Lark Lights	$\bar{X}$	13.7±0.4	1.09±0.03	13.3±0.4	2.7±0.2	17.4±0.6	7.2±0.1
king size	s	0.9	0.06	0.9	0.5	1.4	0.3
filter	CV	6.8	5.5	6.7	17.8	7.8	4.4
soft pack							
Lark Lights 100's	$\bar{X}$	14.4±0.4	1.21±0.03	13.9±0.4	1.9±0.1	17.5±0.5	8.2±0.1
100 mm	s	0.8	0.07	1.0	0.3	1.1	0.3
filter	CV	5.8	5.8	7.1	15.0	6.5	4.1
soft pack							

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Source: https://www.industrydocuments.ucsf.edu/docs/hrvl0001

Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Long Johns	$\bar{X}$	18.7±0.5	1.59±0.04	19.8±0.8	1.9±0.1	22.1±0.6	17.0±0.4
120 mm	s	1.0	0.09	1.7	0.2	1.3	0.9
filter	CV	5.5	5.4	8.5	11.5	5.8	5.4
soft pack							
Long Johns	$\bar{X}$	15.9±0.5	1.43±0.04	17.9±0.9	1.6±0.1	18.9±0.6	15.1±0.4
120 mm	s	1.2	0.10	2.1	0.2	1.4	0.8
filter menthol	CV	7.4	6.9	11.9	11.9	7.4	5.2
soft pack							
Lucky Strike	$\bar{X}$	24.5±0.6	1.56±0.03	16.9±0.4	4.6±0.3	30.6±0.8	7.5±0.2
regular size	s	1.3	0.08	1.0	0.6	1.9	0.3
non-filter	CV	5.2	4.8	5.8	12.8	6.1	4.5
soft pack							
Lucky Ten	$\bar{X}$	8.6±0.3	0.74±0.03	10.6±0.3	0.9±0.1	10.2±0.4	7.2±0.2
king size	s	0.6	0.06	0.7	0.2	0.8	0.4
filter	CV	7.3	8.0	6.8	18.6	8.1	5.8
soft pack							
Lucky 100's	$\bar{X}$	3.2±0.1	0.34±0.01	5.0±0.2	0.3±0.02	3.8±0.1	8.4±0.2
100 mm	s	0.2	0.02	0.4	0.04	0.2	0.5
filter	CV	6.9	6.9	7.6	16.0	6.5	6.3
soft pack							
Marlboro	$\bar{X}$	16.3±0.4	1.12±0.03	14.9±0.4	3.2±0.2	20.6±0.6	8.3±0.1
king size	s	1.0	0.06	0.9	0.5	1.4	0.3
filter	CV	5.9	5.4	6.2	15.9	7.0	3.7
hard pack							
Marlboro	$\bar{X}$	14.8±0.5	0.96±0.02	14.3±0.3	3.1±0.3	18.8±0.8	7.9±0.2
king size	s	1.0	0.05	0.7	0.7	1.7	0.3
filter menthol	CV	6.9	5.0	4.8	23.1	9.1	4.4
hard pack							

PM3000763288

Source: https://www.industrydocuments.ucsf.edu/docs/hrvl0001

Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Marlboro	$\bar{X}$	16.8±0.5	1.15±0.03	15.7±0.4	3.1±0.3	21.0±0.8	8.7±0.2
king size	s	1.1	0.07	1.0	0.6	1.7	0.4
filter	CV	6.3	6.1	6.2	21.2	8.1	4.2
soft pack							
Marlboro	$\bar{X}$	13.9±0.3	0.91±0.02	13.8±0.4	2.2±0.1	16.9±0.4	7.8±0.1
king size	s	0.7	0.05	0.9	0.3	0.9	0.3
filter menthol	CV	4.9	5.4	6.5	13.8	5.6	3.5
soft pack							
Marlboro 100's	$\bar{X}$	16.5±0.4	1.18±0.03	17.1±0.5	2.2±0.1	19.9±0.5	9.6±0.1
100 mm	s	0.9	0.06	1.1	0.3	1.1	0.3
filter	CV	5.2	5.1	6.2	13.5	5.7	3.0
hard pack							
Marlboro 100's	$\bar{X}$	16.4±0.5	1.18±0.04	16.5±0.5	2.1±0.1	19.6±0.7	9.7±0.1
100 mm	s	1.2	0.09	1.1	0.3	1.5	0.3
filter	CV	7.1	7.4	6.9	14.5	7.5	3.3
soft pack							
Marlboro Lights	$\bar{X}$	10.2±0.3	0.76±0.02	11.8±0.3	1.1±0.1	12.0±0.4	7.4±0.1
king size	s	0.6	0.05	0.7	0.2	0.8	0.2
filter	CV	6.1	6.0	5.9	15.9	6.7	3.3
hard pack							
Marlboro Lights	$\bar{X}$	11.1±0.3	0.82±0.02	12.8±0.3	1.3±0.1	13.2±0.4	7.7±0.1
king size	s	0.8	0.05	0.7	0.1	0.9	0.3
filter	CV	6.7	6.1	5.7	10.5	6.8	3.8
soft pack							
Marlboro Lights 100's	$\bar{X}$	10.8±0.3	0.85±0.02	12.7±0.5	1.1±0.1	12.7±0.4	9.6±0.1
100 mm	s	0.7	0.05	1.1	0.1	0.9	0.3
filter	CV	6.7	6.4	8.3	11.4	6.7	3.4
soft pack							

PM3000763289

Source: https://www.industrydocuments.ucsf.edu/docs/hrvl0001

Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Max	$\bar{X}$	18.5±0.4	1.58±0.05	17.5±0.4	2.8±0.1	22.8±0.5	10.4±0.2
120 mm	s	0.9	0.11	0.9	0.3	1.2	0.5
filter	CV	5.1	7.1	5.2	10.8	5.3	5.2
soft pack							
Max	$\bar{X}$	17.9±0.4	1.54±0.02	16.7±0.6	2.8±0.2	22.2±0.5	10.3±0.2
120 mm	s	0.8	0.05	1.3	0.4	1.1	0.5
filter menthol	CV	4.6	3.5	7.8	13.9	4.9	4.5
soft pack							
Merit	$\bar{X}$	7.7±0.3	0.59±0.02	10.3±0.4	0.8±0.1	9.2±0.4	7.8±0.2
king size	s	0.7	0.05	1.0	0.2	0.8	0.3
filter	CV	8.5	8.0	9.4	18.5	8.9	4.4
soft pack							
Merit	$\bar{X}$	7.5±0.3	0.58±0.02	10.0±0.3	0.8±0.04	8.8±0.3	7.5±0.1
king size	s	0.6	0.04	0.7	0.1	0.6	0.3
filter menthol	CV	7.6	6.8	7.4	10.9	7.3	4.1
soft pack							
Merit 100's	$\bar{X}$	9.6±0.3	0.74±0.02	12.1±0.4	0.9±0.1	11.3±0.3	9.5±0.2
100 mm	s	0.6	0.04	0.9	0.1	0.7	0.4
filter	CV	6.0	5.7	7.1	13.4	6.2	4.4
soft pack							
Merit 100's	$\bar{X}$	9.1±0.2	0.71±0.02	11.2±0.3	0.9±0.04	10.7±0.2	9.2±0.2
100 mm	s	0.4	0.05	0.6	0.1	0.5	0.4
filter menthol	CV	4.9	7.8	5.4	9.8	5.1	4.7
soft pack							
Merit Ultra Lights	$\bar{X}$	3.3±0.1	0.33±0.02	4.3±0.3	0.3±0.03	3.9±0.2	7.4±0.2
king size	s	0.3	0.03	0.6	0.1	0.4	0.4
filter	CV	10.0	10.3	13.0	23.1	9.9	4.9
soft pack							

PM3000763290

Source: https://www.industrydocuments.ucsf.edu/docs/hrvl0001

Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Merit Ultra Lights	$\bar{X}$	3.3±0.2	0.33±0.01	4.1±0.2	0.3±0.03	3.9±0.2	7.8±0.2
king size	s	0.4	0.03	0.5	0.1	0.5	0.4
filter menthol	CV	12.6	9.9	11.9	25.6	12.5	5.6
soft pack							
Montclair	$\bar{X}$	15.8±0.3	1.11±0.03	16.1±0.4	4.3±0.3	21.2±0.6	7.4±0.1
king size	s	0.8	0.06	0.8	0.8	1.4	0.3
filter menthol	CV	4.8	5.1	5.1	18.1	6.5	3.7
soft pack							
More Lights 100's	$\bar{X}$	8.4±0.2	0.72±0.02	9.5±0.2	0.9±0.05	10.0±0.3	8.8±0.2
100mm	s	0.5	0.05	0.5	0.1	0.6	0.3
filter	CV	6.5	7.4	5.3	12.8	6.5	4.0
hard pack							
More Lights 100's	$\bar{X}$	7.2±0.3	0.67±0.03	9.1±0.4	0.7±0.1	8.6±0.4	8.2±0.1
100mm	s	0.7	0.06	0.8	0.1	0.8	0.3
filter menthol	CV	9.2	8.4	9.1	16.3	9.4	3.8
hard pack							
More	$\bar{X}$	16.7±0.5	1.28±0.03	20.7±0.6	1.8±0.1	19.8±0.6	12.2±0.3
120 mm	s	1.0	0.06	1.4	0.2	1.2	0.6
filter	CV	6.1	4.9	6.5	10.6	6.2	4.6
soft pack							
More	$\bar{X}$	15.6±0.3	1.31±0.03	19.8±0.6	1.7±0.1	18.6±0.4	12.6±0.1
120 mm	s	0.7	0.06	1.3	0.2	0.8	0.3
filter menthol	CV	4.4	4.6	6.4	13.2	4.4	2.5
soft pack							
Newport	$\bar{X}$	15.8±0.3	1.19±0.03	16.3±0.5	4.1±0.3	21.1±0.6	7.4±0.1
king size	s	0.8	0.07	1.2	0.7	1.4	0.3
filter menthol	CV	4.8	5.5	7.4	17.4	6.9	3.8
hard pack							

PM3000763291

Source: https://www.industrydocuments.ucsf.edu/docs/hrvl0001

Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Newport	$\bar{X}$	17.0±0.4	1.30±0.04	18.0±0.5	4.3±0.3	22.6±0.7	8.0±0.1
king size	s	0.9	0.08	1.1	0.8	1.6	0.2
filter menthol	CV	5.2	6.1	5.9	17.4	7.2	3.1
soft pack							
Newport	$\bar{X}$	19.3±0.4	1.54±0.05	19.7±0.5	3.4±0.1	24.3±0.5	8.8±0.1
100 mm	s	0.9	0.11	1.2	0.3	1.2	0.3
filter menthol	CV	4.7	7.1	5.9	8.7	4.9	3.0
soft pack							
Newport Lights	$\bar{X}$	8.3±0.3	0.74±0.02	9.1±0.3	1.0±0.1	10.0±0.4	6.6±0.1
king size	s	0.7	0.05	0.6	0.2	0.9	0.3
filter menthol	CV	8.7	7.1	6.7	16.1	8.9	4.9
hard pack							
Newport Lights	$\bar{X}$	8.3±0.3	0.74±0.03	9.1±0.4	0.9±0.1	9.9±0.4	6.6±0.1
king size	s	0.7	0.06	0.9	0.2	0.9	0.3
filter menthol	CV	8.4	8.1	10.1	21.7	9.0	4.4
soft pack							
Newport Lights 100's	$\bar{X}$	8.7±0.3	0.82±0.03	9.2±0.4	0.8±0.05	10.3±0.3	8.4±0.2
100mm	s	0.6	0.06	0.9	0.1	0.8	0.3
filter menthol	CV	7.3	7.5	9.9	12.5	7.5	4.1
soft pack							
Newport Red	$\bar{X}$	12.8±0.2	1.11±0.03	14.2±0.3	2.1±0.1	16.0±0.3	6.9±0.1
king size	s	0.5	0.06	0.6	0.3	0.7	0.3
filter	CV	3.7	5.5	4.6	13.2	4.6	4.1
hard pack							
Newport Red	$\bar{X}$	13.1±0.3	1.11±0.02	14.8±0.4	2.2±0.1	16.4±0.4	7.2±0.1
king size	s	0.6	0.05	0.9	0.3	0.9	0.3
filter	CV	4.5	4.7	6.0	14.4	5.4	4.1
soft pack							

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Source: https://www.industrydocuments.ucsf.edu/docs/hrvl0001

Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Northwind	$\bar{X}$	8.2±0.2	0.59±0.01	10.6±0.3	0.8±0.04	9.6±0.2	7.9±0.1
king size	s	0.5	0.03	0.7	0.1	0.5	0.2
filter	CV	5.5	5.6	6.7	10.0	5.4	3.2
soft pack							
Northwind 100's	$\bar{X}$	8.7±0.3	0.66±0.02	10.9±0.2	0.8±0.04	10.1±0.3	9.8±0.2
100mm	s	0.6	0.04	0.5	0.1	0.7	0.3
filter	CV	7.2	6.2	5.0	11.6	7.3	3.5
soft pack							
Now	$\bar{X}$	-0.3±0.04	<0.02	0.1±0.03	0.0±0.02	-0.3±0.04	6.4±0.2
king size	s	0.1		0.1	0.1	0.1	0.4
filter	CV	31.3		61.9	657.0	28.2	6.4
hard pack							
Now	$\bar{X}$	0.9±0.1	0.14±0.01	1.7±0.1	0.1±0.02	1.1±0.1	6.1±0.2
king size	s	0.2	0.02	0.3	0.04	0.3	0.4
filter	CV	28.3	17.3	16.4	63.8	26.1	5.8
soft pack							
Now	$\bar{X}$	0.9±0.1	0.13±0.01	1.7±0.2	0.1±0.03	1.1±0.2	6.4±0.2
king size	s	0.3	0.03	0.4	0.1	0.4	0.4
filter menthol	CV	33.0	22.4	21.1	105.6	32.7	6.4
soft pack							
Now 100s	$\bar{X}$	-0.3±0.1	<0.02	0.1±0.03	0.0±0.03	-0.3±0.1	6.8±0.2
100 mm	s	0.1		0.1	0.1	0.1	0.4
filter	CV	40.4		65.2	473.6	41.0	5.4
hard pack							
Now 100s	$\bar{X}$	1.8±0.1	0.23±0.01	1.8±0.1	0.1±0.04	2.2±0.1	9.0±0.2
100 mm	s	0.3	0.03	0.3	0.1	0.3	0.6
filter	CV	16.3	12.3	15.0	59.8	15.2	6.1
soft pack							

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Source: https://www.industrydocuments.ucsf.edu/docs/hrvl0001

Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Now 100s	$\bar{X}$	1.7±0.1	0.22±0.01	1.6±0.1	0.2±0.03	2.1±0.2	8.7±0.2
100 mm	s	0.3	0.03	0.3	0.1	0.4	0.4
filter menthol	CV	19.1	14.4	18.1	38.7	18.3	4.4
soft pack							
Oasis	$\bar{X}$	14.8±0.2	1.04±0.03	14.9±0.3	3.3±0.2	19.1±0.4	7.4±0.1
king size	s	0.5	0.06	0.6	0.5	0.9	0.3
filter menthol	CV	3.3	5.5	3.9	14.2	4.6	3.8
soft pack							
Old Gold Straights	$\bar{X}$	26.9±0.6	1.80±0.04	18.2±0.5	4.6±0.2	33.3±0.8	8.7±0.2
king size	s	1.4	0.09	1.1	0.5	1.9	0.4
non-filter	CV	5.3	4.9	6.0	11.4	5.7	4.9
soft pack							
Old Gold Filters	$\bar{X}$	17.0±0.4	1.37±0.04	19.1±0.5	4.5±0.3	22.9±0.7	7.9±0.1
king size	s	1.0	0.09	1.2	0.6	1.5	0.3
filter	CV	5.6	6.4	6.2	13.7	6.7	3.3
soft pack							
Old Gold Filter 100's	$\bar{X}$	19.1±0.4	1.58±0.04	19.1±0.5	3.5±0.3	24.1±0.7	8.8±0.2
100 mm	s	0.9	0.10	1.0	0.6	1.5	0.4
filter	CV	4.5	6.1	5.3	16.7	6.1	4.1
soft pack							
Old Gold Lights	$\bar{X}$	8.9±0.4	0.88±0.03	10.0±0.5	1.0±0.1	10.8±0.6	6.6±0.1
king size	s	1.0	0.08	1.1	0.2	1.2	0.3
filter	CV	10.9	8.8	11.3	22.7	11.6	4.8
soft pack							
Omni	$\bar{X}$	7.1±0.2	0.72±0.02	6.6±0.2	0.6±0.1	8.4±0.3	8.7±0.2
100mm	s	0.5	0.05	0.4	0.2	0.6	0.5
filter menthol	CV	6.4	7.4	5.5	28.3	6.8	5.4
soft pack							

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Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Pall Mall	$\bar{X}$	24.8±0.6	1.70±0.04	17.4±0.4	3.9±0.2	30.4±0.8	8.9±0.2
king size	s	1.3	0.09	1.0	0.6	1.8	0.5
non-filter	CV	5.4	5.1	5.6	14.3	6.1	5.8
soft pack							
Pall Mall	$\bar{X}$	17.6±0.4	1.29±0.04	18.6±0.6	4.2±0.3	23.1±0.7	8.4±0.2
king size	s	0.9	0.08	1.3	0.6	1.5	0.3
filter	CV	4.8	6.2	7.2	15.4	6.4	4.1
soft pack							
Pall Mall	$\bar{X}$	16.0±0.4	1.31±0.03	16.6±0.5	2.3±0.1	19.6±0.5	8.8±0.2
100 mm	s	0.8	0.07	1.1	0.3	1.1	0.4
filter	CV	5.0	5.5	6.4	13.4	5.7	4.3
soft pack							
Pall Mall Extra Light	$\bar{X}$	6.4±0.2	0.64±0.02	7.2±0.2	0.6±0.04	7.6±0.2	8.3±0.1
king size	s	0.4	0.05	0.5	0.1	0.5	0.3
filter	CV	6.0	7.3	6.4	16.4	6.3	3.8
soft pack							
Pall Mall Light 100's	$\bar{X}$	9.0±0.3	0.86±0.02	8.5±0.3	0.8±0.04	10.6±0.3	9.9±0.2
100 mm	s	0.7	0.05	0.7	0.1	0.8	0.5
filter	CV	7.3	5.6	8.7	12.3	7.2	5.0
soft pack							
Pall Mall Light 100's	$\bar{X}$	12.8±0.3	1.14±0.03	12.8±0.3	1.8±0.2	15.7±0.5	8.3±0.1
100 mm	s	0.7	0.08	0.7	0.4	1.1	0.3
filter menthol	CV	5.6	6.7	5.6	19.6	6.7	3.7
soft pack							
Parliament Lights	$\bar{X}$	9.0±0.3	0.69±0.02	9.6±0.3	1.1±0.1	10.8±0.4	7.2±0.1
king size	s	0.6	0.05	0.6	0.2	0.8	0.3
filter	CV	6.8	7.5	6.2	21.1	7.5	3.9
hard pack							

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Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Parliament Lights	$\bar{X}$	9.4±0.3	0.74±0.02	10.8±0.2	1.1±0.1	11.3±0.3	7.9±0.1
king size	s	0.6	0.05	0.5	0.1	0.8	0.3
filter	CV	6.4	6.8	5.1	13.1	6.8	3.6
soft pack							
Parliament Lights 100's	$\bar{X}$	11.2±0.3	0.92±0.03	11.3±0.3	1.2±0.1	13.3±0.4	9.4±0.2
100 mm	s	0.8	0.06	0.7	0.1	0.9	0.4
filter	CV	6.8	6.6	6.1	10.8	6.7	4.3
soft pack							
Philip Morris	$\bar{X}$	21.7±0.7	1.44±0.06	12.9±0.5	3.4±0.2	26.5±0.9	7.0±0.2
regular size	s	1.5	0.13	1.0	0.5	2.1	0.4
non-filter	CV	7.1	8.7	8.0	13.8	7.8	5.9
soft pack							
Philip Morris Commander	$\bar{X}$	26.9±0.7	1.83±0.05	16.1±0.6	3.9±0.2	32.7±0.9	9.4±0.2
king size	s	1.5	0.12	1.2	0.5	2.0	0.4
non-filter	CV	5.5	6.5	7.8	13.1	6.1	4.4
soft pack							
Philip Morris	$\bar{X}$	17.3±0.3	1.20±0.03	16.1±0.3	2.3±0.1	20.7±0.5	9.7±0.2
International	s	0.8	0.06	0.7	0.3	1.0	0.4
100 mm	CV	4.5	5.3	4.6	11.4	4.9	3.8
filter							
hard pack							
Philip Morris	$\bar{X}$	15.4±0.4	1.03±0.03	15.9±0.4	2.0±0.1	18.5±0.5	8.9±0.2
International	s	0.9	0.07	0.9	0.3	1.2	0.4
100 mm	CV	5.9	6.4	5.3	15.8	6.5	4.2
filter menthol							
hard pack							
Picayune	$\bar{X}$	17.1±0.6	1.24±0.03	14.0±0.6	2.2±0.2	20.5±0.8	6.1±0.1
regular size	s	1.3	0.07	1.2	0.4	1.7	0.3
non-filter	CV	7.5	6.0	8.9	18.1	8.2	4.2
soft pack							

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Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Players	$\bar{X}$	24.5±0.7	1.99±0.06	14.9±0.6	2.8±0.2	29.3±0.8	8.3±0.2
regular size	s	1.5	0.14	1.3	0.4	1.8	0.5
non-filter	CV	6.2	7.1	8.5	12.7	6.2	5.8
hard pack							
Raleigh	$\bar{X}$	23.4±0.6	1.37±0.04	17.6±0.6	3.2±0.2	28.0±0.8	8.3±0.2
king size	s	1.4	0.09	1.3	0.5	1.9	0.4
non-filter	CV	6.0	6.6	7.4	16.0	6.6	4.7
soft pack							
Raleigh	$\bar{X}$	15.2±0.4	0.99±0.03	17.6±0.4	3.1±0.3	19.4±0.7	7.6±0.2
king size	s	0.9	0.07	1.0	0.7	1.6	0.4
filter	CV	5.9	7.2	5.6	21.3	8.2	4.7
soft pack							
Raleigh 100's	$\bar{X}$	16.0±0.4	1.12±0.02	17.5±0.4	2.1±0.1	19.2±0.5	8.9±0.2
100 mm	s	0.8	0.05	1.0	0.2	1.0	0.3
filter	CV	4.9	4.7	5.8	11.0	5.3	3.9
soft pack							
Raleigh Lights	$\bar{X}$	8.3±0.3	0.72±0.02	10.2±0.4	0.9±0.1	9.9±0.3	7.8±0.1
king size	s	0.6	0.04	0.9	0.1	0.7	0.3
filter	CV	7.2	6.0	8.9	14.2	7.4	4.1
soft pack							
Raleigh Lights 100's	$\bar{X}$	9.8±0.4	0.84±0.04	13.5±0.6	1.0±0.1	11.7±0.5	8.8±0.2
100 mm	s	0.9	0.08	1.3	0.1	1.0	0.5
filter	CV	8.7	9.4	9.4	14.2	9.0	5.3
soft pack							
St. Moritz	$\bar{X}$	14.3±0.3	1.18±0.02	14.4±0.4	2.0±0.2	17.5±0.5	8.4±0.1
100 mm	s	0.8	0.06	0.9	0.4	1.1	0.2
filter	CV	5.3	4.7	6.1	17.6	6.0	2.8
soft pack							

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Source: https://www.industrydocuments.ucsf.edu/docs/hrvl0001

Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
St. Moritz	$\bar{X}$	14.5±0.3	1.21±0.03	14.7±0.5	2.1±0.2	17.8±0.5	8.6±0.2
100 mm	s	0.7	0.06	1.2	0.4	1.0	0.4
filter menthol	CV	5.1	5.4	7.8	18.1	5.8	5.0
soft pack							
Salem	$\bar{X}$	14.8±0.3	1.10±0.03	14.2±0.3	2.6±0.2	18.5±0.5	8.6±0.1
king size	s	0.7	0.06	0.8	0.5	1.2	0.3
filter menthol	CV	5.0	5.6	5.3	18.5	6.3	3.6
soft pack							
Salem 100's	$\bar{X}$	14.7±0.3	1.20±0.03	13.7±0.3	1.6±0.1	17.4±0.4	10.4±0.1
100 mm	s	0.8	0.06	0.7	0.2	0.9	0.3
filter menthol	CV	5.1	5.3	4.8	11.1	5.3	3.1
soft pack							
Salem Lights	$\bar{X}$	8.4±0.2	0.67±0.02	10.7±0.3	0.8±0.05	9.9±0.3	7.3±0.1
king size	s	0.5	0.03	0.6	0.1	0.6	0.2
filter menthol	CV	6.1	5.1	6.0	12.4	6.1	2.8
soft pack							
Salem Lights 100's	$\bar{X}$	8.9±0.2	0.76±0.02	11.4±0.3	0.8±0.03	10.5±0.3	9.5±0.1
100 mm	s	0.5	0.04	0.6	0.1	0.6	0.3
filter menthol	CV	6.1	5.3	5.5	7.3	5.9	3.1
soft pack							
Salem Ultra	$\bar{X}$	4.2±0.2	0.43±0.02	4.9±0.2	0.4±0.03	5.0±0.2	8.2±0.1
king size	s	0.4	0.04	0.5	0.1	0.5	0.3
filter menthol	CV	10.3	9.8	9.7	17.5	10.4	3.9
soft pack							
Salem Ultra 100s	$\bar{X}$	4.4±0.2	0.44±0.02	6.4±0.3	0.4±0.03	5.2±0.2	9.4±0.2
100 mm	s	0.5	0.04	0.7	0.1	0.5	0.4
filter menthol	CV	11.0	9.5	10.9	17.7	10.6	4.4
soft pack							

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Source: https://www.industrydocuments.ucsf.edu/docs/hrvl0001

Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Saratoga 120's	$\bar{X}$	14.0±0.5	1.02±0.06	15.5±0.7	1.5±0.1	16.6±0.6	12.5±0.3
120 mm	s	1.1	0.13	1.6	0.2	1.3	0.6
filter	CV	7.9	12.8	10.6	11.5	7.7	4.5
hard pack							
Saratoga 120's	$\bar{X}$	14.0±0.4	1.04±0.03	15.1±0.4	1.5±0.1	16.5±0.5	12.6±0.2
120 mm	s	0.9	0.06	1.0	0.2	1.2	0.5
filter menthol	CV	6.7	6.2	6.4	15.0	7.1	4.0
hard pack							
Silva Thins 100's	$\bar{X}$	12.2±0.5	1.15±0.04	10.4±0.4	1.3±0.1	14.7±0.6	9.6±0.2
100 mm	s	1.0	0.09	0.9	0.3	1.3	0.4
filter	CV	8.3	8.0	9.1	20.7	9.1	4.5
soft pack							
Silva Thins 100's	$\bar{X}$	11.9±0.5	1.14±0.05	10.2±0.4	1.3±0.1	14.3±0.6	9.5±0.2
100 mm	s	1.1	0.11	0.8	0.3	1.4	0.4
filter menthol	CV	9.2	9.8	7.9	21.8	10.0	4.5
soft pack							
Spring	$\bar{X}$	19.2±0.4	1.15±0.03	17.5±0.7	3.2±0.1	23.5±0.5	8.4±0.2
100 mm	s	0.8	0.06	1.5	0.3	1.0	0.3
filter menthol	CV	4.3	5.2	8.6	8.5	4.4	4.0
soft pack							
Tall 120s	$\bar{X}$	18.2±0.5	1.60±0.04	20.1±0.4	1.8±0.1	21.6±0.6	15.4±0.3
120 mm	s	1.0	0.10	1.0	0.2	1.3	0.7
filter	CV	5.7	6.2	5.0	11.0	5.9	4.7
soft pack							
Tall 120s	$\bar{X}$	16.0±0.4	1.42±0.03	17.6±0.8	1.5±0.1	18.9±0.5	14.5±0.3
120 mm	s	1.0	0.08	1.7	0.2	1.2	0.7
filter menthol	CV	6.1	5.5	9.7	12.6	6.4	5.0
soft pack							

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Source: https://www.industrydocuments.ucsf.edu/docs/hrvl0001

Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Tareyton	$\bar{X}$	14.8±0.4	1.12±0.03	16.5±0.6	3.7±0.3	19.6±0.8	8.1±0.2
king size	s	0.9	0.06	1.2	0.8	1.7	0.5
filter	CV	6.3	5.7	7.5	20.4	8.7	6.0
soft pack							
Tareyton 100's	$\bar{X}$	14.3±0.4	1.15±0.03	17.1±0.6	2.3±0.1	17.8±0.5	8.6±0.1
100 mm	s	0.8	0.07	1.2	0.3	1.0	0.3
filter	CV	5.7	6.2	7.2	14.1	5.8	3.6
soft pack							
Tareyton Lights	$\bar{X}$	4.4±0.3	0.42±0.02	5.1±0.3	0.4±0.1	5.3±0.3	7.1±0.2
king size	s	0.6	0.05	0.8	0.1	0.7	0.5
filter	CV	13.4	11.6	15.1	35.7	14.0	7.4
soft pack							
Tareyton Long Lights	$\bar{X}$	7.0±0.4	0.68±0.04	7.5±0.5	0.6±0.1	8.3±0.5	9.9±0.2
100 mm	s	0.9	0.08	1.1	0.2	1.1	0.4
filter	CV	12.7	11.6	14.5	30.7	13.3	4.4
soft pack							
Tareyton Ultra Low Tar	$\bar{X}$	1.0±0.3	0.13±0.03	1.4±0.4	0.1±0.05	1.2±0.4	7.6±0.2
king size	s	0.8	0.07	1.0	0.1	0.9	0.4
filter menthol	CV	77.2	55.7	67.2	153.3	75.3	5.0
soft pack							
Triumph	$\bar{X}$	2.2±0.1	0.32±0.02	2.5±0.2	0.1±0.03	2.6±0.2	7.2±0.2
king size	s	0.3	0.04	0.4	0.1	0.4	0.4
filter	CV	14.4	13.7	15.8	45.9	14.5	4.9
soft pack							
Triumph	$\bar{X}$	2.6±0.1	0.37±0.01	3.1±0.2	0.2±0.03	3.1±0.1	7.0±0.2
king size	s	0.3	0.03	0.3	0.1	0.3	0.4
filter menthol	CV	11.2	8.2	10.9	38.5	10.3	5.3
soft pack							

PM3000763300

Source: https://www.industrydocuments.ucsf.edu/docs/hrvl0001

Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Triumph 100s	$\bar{X}$	4.3±0.2	0.54±0.02	6.2±0.4	0.3±0.03	5.2±0.2	8.1±0.2
100 mm	s	0.4	0.05	0.8	0.1	0.5	0.4
filter	CV	9.6	8.7	12.8	19.8	9.1	4.7
soft pack							
Triumph 100s	$\bar{X}$	4.0±0.2	0.50±0.02	5.8±0.3	0.3±0.03	4.7±0.2	8.3±0.2
100 mm	s	0.4	0.05	0.7	0.1	0.5	0.4
filter menthol	CV	9.6	10.2	11.9	23.2	9.8	5.1
soft pack							
True	$\bar{X}$	4.3±0.2	0.43±0.02	4.9±0.2	0.4±0.04	5.2±0.2	6.3±0.1
king size	s	0.3	0.04	0.5	0.1	0.4	0.3
filter	CV	7.9	8.9	10.8	21.9	8.0	4.3
soft pack							
True	$\bar{X}$	5.0±0.2	0.48±0.01	5.4±0.2	0.5±0.04	5.9±0.2	6.3±0.1
king size	s	0.5	0.03	0.5	0.1	0.5	0.3
filter menthol	CV	9.6	6.8	9.5	18.4	9.0	5.0
soft pack							
True 100's	$\bar{X}$	7.1±0.3	0.64±0.02	8.8±0.4	0.7±0.1	8.5±0.3	7.8±0.1
100 mm	s	0.6	0.05	0.8	0.1	0.7	0.2
filter	CV	8.4	7.0	9.4	16.1	8.3	3.1
soft pack							
True 100's	$\bar{X}$	7.4±0.3	0.65±0.02	8.7±0.3	0.8±0.1	8.8±0.3	7.8±0.2
100 mm	s	0.6	0.04	0.7	0.1	0.8	0.5
filter menthol	CV	8.2	6.7	8.2	17.6	8.6	5.8
soft pack							
Vantage	$\bar{X}$	8.8±0.3	0.71±0.02	12.9±0.3	1.1±0.1	10.7±0.4	7.3±0.2
king size	s	0.8	0.05	0.7	0.2	0.9	0.4
filter	CV	8.6	7.3	5.3	17.8	8.9	5.4
soft pack							

PM3000763301

Source: https://www.industrydocuments.ucsf.edu/docs/hrvl0001

Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Vantage	$\bar{X}$	8.6±0.2	0.68±0.02	12.8±0.3	1.0±0.1	10.2±0.3	7.2±0.1
king size	s	0.5	0.04	0.6	0.1	0.6	0.3
filter menthol	CV	5.7	6.0	5.0	12.9	6.1	4.2
soft pack							
Vantage 100s	$\bar{X}$	8.6±0.3	0.71±0.02	12.6±0.6	0.9±0.1	10.2±0.3	9.3±0.2
100 mm	s	0.6	0.05	1.3	0.1	0.7	0.5
filter	CV	7.4	7.6	9.9	15.3	7.2	5.1
soft pack							
Vantage Ultra Lights	$\bar{X}$	4.0±0.2	0.41±0.02	5.0±0.3	0.3±0.03	4.8±0.2	8.2±0.1
king size	s	0.4	0.04	0.6	0.1	0.5	0.3
filter	CV	10.5	9.2	12.9	18.0	10.0	3.6
soft pack							
Vantage Ultra Lights 100s	$\bar{X}$	4.2±0.2	0.48±0.02	5.8±0.3	0.3±0.03	5.0±0.3	10.5±0.2
100 mm	s	0.5	0.05	0.8	0.1	0.6	0.4
filter	CV	12.4	11.4	13.4	19.2	12.1	4.0
soft pack							
Viceroy	$\bar{X}$	14.8±0.4	0.96±0.03	17.0±0.7	3.1±0.2	18.9±0.7	7.3±0.2
king size	s	1.0	0.06	1.5	0.5	1.5	0.5
filter	CV	6.7	6.7	8.9	17.0	7.9	6.2
soft pack							
Viceroy Rich Lights	$\bar{X}$	8.5±0.2	0.73±0.02	10.7±0.4	0.9±0.1	10.2±0.3	7.7±0.2
king size	s	0.5	0.04	0.9	0.2	0.6	0.5
filter	CV	5.8	5.7	8.2	18.7	6.2	6.3
soft pack							
Viceroy Rich Lights	$\bar{X}$	9.4±0.3	0.80±0.02	12.8±0.4	0.9±0.04	11.2±0.3	9.1±0.1
100 mm	s	0.6	0.04	0.9	0.1	0.7	0.3
filter	CV	6.6	4.9	6.8	9.5	6.3	3.7
soft pack							

PM3000763302

Source: https://www.industrydocuments.ucsf.edu/docs/hrvl0001

Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Viceroy Super Long 100's	$\bar{X}$	14.8±0.4	1.08±0.03	17.8±0.5	2.0±0.1	17.9±0.5	8.5±0.2
100 mm	s	0.8	0.07	1.0	0.2	1.1	0.4
filter	CV	5.5	6.3	5.7	12.4	6.0	4.4
soft pack							
Virginia Slims	$\bar{X}$	14.7±0.4	1.07±0.02	14.5±0.4	2.2±0.2	17.9±0.6	8.8±0.1
100 mm	s	0.9	0.06	0.9	0.5	1.3	0.3
filter	CV	6.0	5.2	6.4	21.6	7.5	3.5
soft pack							
Virginia Slims	$\bar{X}$	14.6±0.2	1.04±0.02	13.5±0.3	2.1±0.1	17.7±0.3	8.7±0.2
100 mm	s	0.5	0.05	0.7	0.2	0.7	0.3
filter menthol	CV	3.7	4.4	5.2	10.5	4.0	3.9
soft pack							
Virginia Slims Lights	$\bar{X}$	8.3±0.3	0.67±0.02	8.9±0.4	0.8±0.1	9.8±0.3	9.4±0.2
100 mm	s	0.6	0.04	0.9	0.1	0.7	0.4
filter	CV	7.8	5.9	9.7	16.0	7.7	4.2
hard pack							
Virginia Slims Lights	$\bar{X}$	7.8±0.3	0.66±0.02	8.4±0.3	0.8±0.04	9.2±0.4	9.3±0.2
100 mm	s	0.8	0.04	0.6	0.1	0.9	0.4
filter menthol	CV	9.9	6.3	7.6	11.9	9.3	4.7
hard pack							
Winston	$\bar{X}$	16.3±0.4	1.10±0.03	15.6±0.6	4.4±0.4	21.7±0.8	8.3±0.1
king size	s	0.9	0.06	1.2	0.9	1.8	0.3
filter	CV	5.8	5.5	7.9	20.2	8.3	4.0
hard pack							
Winston	$\bar{X}$	15.0±0.3	1.07±0.02	17.0±0.4	3.0±0.2	19.1±0.5	8.2±0.1
king size	s	0.7	0.04	1.0	0.5	1.2	0.3
filter	CV	4.9	3.6	5.8	17.2	6.4	3.3
soft pack							

PM3000763303

Source: https://www.industrydocuments.ucsf.edu/docs/hrvl0001

Brands		Tar mg/cig	Nicotine mg/cig	CO mg/cig	Water mg/cig	TPM mg/cig	Puff Count
Winston 100's	$\bar{X}$	14.6±0.4	1.06±0.02	14.8±0.5	1.9±0.2	17.5±0.6	9.6±0.2
100 mm	s	0.9	0.05	1.1	0.3	1.2	0.4
filter	CV	6.2	5.0	7.5	18.2	7.1	3.7
soft pack							
Winston Lights	$\bar{X}$	10.4±0.2	0.83±0.02	11.2±0.3	1.1±0.05	12.3±0.3	8.1±0.1
king size	s	0.5	0.04	0.7	0.1	0.6	0.3
filter	CV	4.9	4.5	6.4	9.4	4.9	3.9
soft pack							
Winston Lights 100's	$\bar{X}$	11.9±0.4	0.89±0.02	15.2±0.5	1.3±0.1	14.1±0.4	8.9±0.1
100 mm	s	0.8	0.05	1.2	0.2	1.0	0.3
filter	CV	6.6	5.8	7.6	13.7	7.0	3.7
soft pack							
Winston Ultra Lights	$\bar{X}$	3.9±0.2	0.42±0.02	4.8±0.3	0.3±0.03	4.6±0.2	6.8±0.1
king size	s	0.4	0.05	0.6	0.1	0.5	0.3
filter	CV	10.9	10.9	12.3	19.6	10.5	4.7
soft pack							
Winston Ultra Lights 100's	$\bar{X}$	4.7±0.2	0.46±0.02	6.9±0.4	0.4±0.05	5.5±0.2	8.7±0.1
100 mm	s	0.4	0.04	0.8	0.1	0.5	0.3
filter	CV	8.2	8.4	11.5	25.1	8.2	3.3
soft pack							
Winston International	$\bar{X}$	18.1±0.4	1.40±0.03	17.4±0.4	3.3±0.3	22.8±0.7	9.1±0.1
100 mm	s	1.0	0.07	0.9	0.6	1.6	0.3
filter	CV	5.4	5.2	5.3	18.9	7.0	3.4
hard pack							
Monitor - B&W	$\bar{X}$	13.3±0.05	0.83±0.003	13.5±0.1	3.0±0.04	17.1±0.1	7.3±0.02
	s	0.8	0.05	0.9	0.7	1.4	0.4
	CV	6.8	6.4	6.8	22.0	8.5	4.9

PM3000763304

Source: https://www.industrydocuments.ucsf.edu/docs/hrvl0001

SECTION II

PER PUFF DATA

PM3000763305

Source: https://www.industrydocuments.ucsf.edu/docs/hrvl0001

Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
Alpine king size filter menthol soft pack	$\bar{X}$	1.76±0.04	0.115±0.003	1.76±0.04	0.27±0.02	2.14±0.05
	s	0.08	0.006	0.09	0.04	0.12
	CV	4.5	5.4	5.0	14.7	5.4
Barclay king size filter hard pack	$\bar{X}$	0.11±0.03	0.018±0.003	0.14±0.02	0.01±0.003	0.14±0.03
	s	0.06	0.007	0.05	0.01	0.07
	CV	53.6	40.4	35.8	71.2	50.1
Barclay king size filter soft pack	$\bar{X}$	0.09±0.02	0.014±0.002	0.11±0.02	0.01±0.002	0.11±0.02
	s	0.04	0.005	0.04	0.01	0.05
	CV	48.0	38.1	35.9	81.2	45.3
Barclay king size filter menthol soft pack	$\bar{X}$	0.13±0.02	0.015±0.002	0.18±0.03	0.01±0.004	0.15±0.02
	s	0.05	0.004	0.06	0.01	0.05
	CV	38.0	29.2	30.7	91.6	35.3
Barclay 100 mm filter soft pack	$\bar{X}$	0.29±0.02	0.032±0.002	0.27±0.02	0.02±0.003	0.35±0.02
	s	0.04	0.004	0.05	0.01	0.05
	CV	13.1	12.6	18.4	36.6	13.1
Barclay 100mm filter menthol soft pack	$\bar{X}$	0.31±0.03	0.032±0.002	0.29±0.03	0.02±0.004	0.36±0.03
	s	0.06	0.005	0.06	0.01	0.07
	CV	20.9	15.5	22.1	39.0	20.4
Belair king size filter menthol soft pack	$\bar{X}$	1.10±0.04	0.099±0.002	1.24±0.04	0.12±0.01	1.32±0.05
	s	0.08	0.005	0.09	0.02	0.10
	CV	7.3	5.5	7.5	19.9	7.7

PM3000763306

Source: https://www.industrydocuments.ucsf.edu/docs/hrvl0001

Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
Belair	$\bar{X}$	1.11±0.03	0.086±0.003	1.39±0.04	0.09±0.004	1.29±0.04
100 mm	s	0.07	0.006	0.10	0.01	0.08
filter menthol	CV	6.4	6.8	6.9	10.1	6.3
soft pack						
Benson & Hedges	$\bar{X}$	0.10±0.02	0.014±0.001	0.25±0.03	0.01±0.004	0.13±0.02
regular size	s	0.04	0.003	0.07	0.01	0.04
filter	CV	37.4	21.6	29.6	77.3	31.3
hard pack						
Benson & Hedges	$\bar{X}$	1.75±0.04	0.143±0.003	1.47±0.05	0.22±0.02	2.12±0.06
king size	s	0.09	0.008	0.11	0.03	0.13
filter	CV	5.2	5.4	7.2	15.4	5.9
hard pack						
Benson & Hedges 100's	$\bar{X}$	1.72±0.04	0.123±0.004	1.68±0.03	0.22±0.01	2.06±0.05
100 mm	s	0.09	0.008	0.08	0.03	0.12
filter	CV	5.1	6.8	4.5	13.7	5.7
hard pack						
Benson & Hedges 100's	$\bar{X}$	1.69±0.05	0.118±0.003	1.63±0.03	0.22±0.01	2.02±0.06
100 mm	s	0.11	0.006	0.07	0.03	0.13
filter menthol	CV	6.5	5.1	4.5	11.7	6.6
hard pack						
Benson & Hedges 100's	$\bar{X}$	1.71±0.04	0.123±0.004	1.73±0.05	0.21±0.01	2.05±0.05
100 mm	s	0.09	0.008	0.12	0.03	0.11
filter	CV	5.1	6.4	6.7	11.7	5.4
soft pack						
Benson & Hedges 100's	$\bar{X}$	1.66±0.04	0.122±0.003	1.70±0.04	0.19±0.01	1.98±0.05
100 mm	s	0.09	0.006	0.09	0.02	0.11
filter menthol	CV	5.4	5.0	5.5	10.0	5.6
soft pack						

PM3000763307

Source: https://www.industrydocuments.ucsf.edu/docs/hrvl0001

Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
Benson & Hedges Lights 100's 100 mm filter hard pack	$\bar{X}$	1.24±0.02	0.094±0.002	1.46±0.03	0.13±0.004	1.46±0.02
	s	0.04	0.004	0.07	0.01	0.05
	CV	3.6	4.2	4.5	7.0	3.4
Benson & Hedges Lights 100's 100 mm filter menthol hard pack	$\bar{X}$	1.01±0.02	0.082±0.002	1.16±0.04	0.10±0.004	1.19±0.03
	s	0.05	0.004	0.08	0.01	0.06
	CV	4.9	4.6	7.0	8.7	4.8
Benson & Hedges Lights 100's 100 mm filter soft pack	$\bar{X}$	1.14±0.04	0.089±0.002	1.40±0.06	0.11±0.01	1.34±0.05
	s	0.09	0.005	0.13	0.02	0.10
	CV	7.7	6.1	9.3	13.9	7.5
Benson & Hedges Lights 100's 100 mm filter menthol soft pack	$\bar{X}$	1.08±0.03	0.080±0.007	1.26±0.04	0.11±0.01	1.27±0.04
	s	0.07	0.017	0.08	0.01	0.08
	CV	6.3	20.7	6.6	13.7	6.6
Benson & Hedges Multifilter king size filter soft pack	$\bar{X}$	1.60±0.04	0.113±0.003	1.54±0.03	0.22±0.01	1.94±0.04
	s	0.08	0.007	0.07	0.02	0.10
	CV	5.1	5.8	4.8	9.7	5.1
Benson & Hedges Multifilter king size filter menthol soft pack	$\bar{X}$	1.46±0.06	0.110±0.004	1.41±0.06	0.19±0.03	1.76±0.07
	s	0.13	0.009	0.14	0.07	0.15
	CV	8.7	7.8	10.0	35.9	8.3

PM3000763308

Source: https://www.industrydocuments.ucsf.edu/docs/hrvl0001

Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
Bull Durham	$\bar{X}$	2.72±0.05	0.196±0.004	2.15±0.04	0.57±0.03	3.48±0.07
king size	s	0.11	0.009	0.09	0.06	0.16
filter	CV	3.9	4.4	4.2	10.6	4.6
soft pack						
Cambridge	$\bar{X}$	-0.04±0.01	-	0.01±0.01	0.00±0.005	-0.05±0.01
king size	s	0.02	-	0.01	0.01	0.02
filter	CV	48.3	-	113.7	163.4	36.8
hard pack						
Cambridge	$\bar{X}$	0.07±0.01	0.013±0.001	0.17±0.01	0.01±0.004	0.09±0.01
king size	s	0.03	0.002	0.03	0.01	0.03
filter	CV	38.4	16.4	16.0	128.9	31.8
soft pack						
Cambridge 100's	$\bar{X}$	0.38±0.02	0.042±0.002	0.64±0.02	0.03±0.003	0.44±0.02
100 mm	s	0.04	0.004	0.05	0.01	0.05
filter	CV	11.2	9.8	8.1	28.3	11.4
soft pack						
Camel	$\bar{X}$	3.06±0.05	0.207±0.004	1.94±0.05	0.46±0.02	3.72±0.06
regular size	s	0.10	0.009	0.10	0.05	0.13
non-filter	CV	3.4	4.1	5.3	10.8	3.5
soft pack						
Camel Filters	$\bar{X}$	1.90±0.04	0.137±0.003	1.89±0.06	0.41±0.03	2.44±0.07
king size	s	0.08	0.006	0.13	0.07	0.15
filter	CV	4.4	4.6	6.8	17.7	6.0
soft pack						
Camel Lights	$\bar{X}$	0.91±0.04	0.088±0.003	0.96±0.04	0.09±0.01	1.09±0.04
king size	s	0.08	0.007	0.09	0.01	0.09
filter	CV	8.7	8.2	9.4	15.7	8.5
hard pack						

PM3000763309

Source: https://www.industrydocuments.ucsf.edu/docs/hrvl0001

Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
Camel Lights	$\bar{X}$	1.07±0.02	0.100±0.003	1.41±0.03	0.12±0.01	1.29±0.03
king size	s	0.05	0.007	0.07	0.01	0.07
filter	CV	4.9	6.7	4.8	12.6	5.2
soft pack						
Camel Lights 100's	$\bar{X}$	1.29±0.03	0.099±0.002	1.62±0.04	0.14±0.01	1.53±0.03
100 mm	s	0.07	0.006	0.08	0.01	0.07
filter	CV	5.1	5.6	5.1	9.1	4.8
soft pack						
Carlton	$\bar{X}$	-0.05±0.01	-	0.01±0.01	0.00±0.004	-0.05±0.01
king size	s	0.02	-	0.01	0.01	0.02
filter	CV	38.1	-	161.6	466.0	34.2
hard pack						
Carlton	$\bar{X}$	0.11±0.01	0.018±0.002	0.26±0.02	0.01±0.003	0.14±0.01
king size	s	0.02	0.004	0.04	0.01	0.03
filter	CV	20.6	19.8	15.5	78.4	19.0
soft pack						
Carlton	$\bar{X}$	0.06±0.01	0.013±0.001	0.16±0.02	0.01±0.004	0.08±0.01
king size	s	0.03	0.003	0.04	0.01	0.03
filter menthol	CV	45.3	21.7	24.2	92.2	37.8
soft pack						
Carlton 100's	$\bar{X}$	0.05±0.01	0.011±0.001	0.09±0.01	0.00±0.003	0.07±0.01
100 mm	s	0.02	0.002	0.02	0.01	0.02
filter	CV	36.5	17.4	25.1	175.4	31.7
hard pack						
Carlton 100's	$\bar{X}$	0.07±0.02	0.013±0.002	0.11±0.03	0.01±0.004	0.09±0.02
100mm	s	0.04	0.005	0.06	0.01	0.05
filter menthol	CV	61.1	38.0	54.4	149.1	57.9
hard pack						

PM3000763310

Source: https://www.industrydocuments.ucsf.edu/docs/hrvl0001

Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
Carlton 100's 100 mm filter soft pack	$\bar{X}$	0.50±0.04	0.051±0.003	0.69±0.05	0.04±0.01	0.59±0.05
	s	0.10	0.007	0.11	0.02	0.11
	CV	19.4	13.0	16.0	36.5	19.5
Carlton 100's 100 mm filter menthol soft pack	$\bar{X}$	0.50±0.04	0.052±0.003	0.68±0.05	0.04±0.005	0.59±0.05
	s	0.09	0.007	0.12	0.01	0.10
	CV	17.3	13.3	18.1	26.1	17.0
Carlton 120's 120mm filter soft pack	$\bar{X}$	0.46±0.03	0.050±0.003	0.40±0.02	0.04±0.004	0.55±0.03
	s	0.07	0.006	0.05	0.01	0.08
	CV	14.2	12.1	13.0	24.3	13.9
Carlton 120's 120mm filter menthol soft pack	$\bar{X}$	0.53±0.03	0.059±0.003	0.47±0.02	0.05±0.003	0.63±0.04
	s	0.07	0.007	0.05	0.01	0.08
	CV	13.4	11.8	11.7	13.9	12.8
Chesterfield regular size non-filter soft pack	$\bar{X}$	3.00±0.07	0.203±0.003	1.90±0.06	0.50±0.04	3.70±0.10
	s	0.16	0.007	0.12	0.08	0.23
	CV	5.4	3.6	6.5	16.7	6.2
Chesterfield king size non-filter soft pack	$\bar{X}$	2.68±0.05	0.191±0.004	1.69±0.06	0.38±0.02	3.25±0.07
	s	0.11	0.010	0.12	0.05	0.16
	CV	4.0	5.1	7.4	13.3	4.8
Chesterfield king size filter soft pack	$\bar{X}$	2.08±0.06	0.149±0.003	2.11±0.06	0.47±0.04	2.70±0.09
	s	0.13	0.008	0.13	0.09	0.20
	CV	6.1	5.1	6.4	18.4	7.4

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Source: https://www.industrydocuments.ucsf.edu/docs/hrvl0001

Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
Chesterfield 101	$\bar{X}$	1.90±0.04	0.146±0.003	2.15±0.07	0.27±0.02	2.31±0.06
100 mm	s	0.10	0.007	0.15	0.04	0.13
filter	CV	5.3	4.7	6.9	13.8	5.7
soft pack						
Decade	$\bar{X}$	0.71±0.03	0.072±0.003	0.70±0.04	0.06±0.01	0.84±0.03
king size	s	0.06	0.006	0.09	0.01	0.07
filter	CV	8.5	8.8	12.6	21.6	8.9
soft pack						
Decade	$\bar{X}$	0.71±0.03	0.070±0.003	0.66±0.04	0.06±0.004	0.84±0.04
king size	s	0.07	0.006	0.09	0.01	0.08
filter menthol	CV	9.9	8.9	14.3	16.9	9.6
soft pack						
Decade 100's	$\bar{X}$	0.89±0.02	0.094±0.002	0.78±0.03	0.07±0.004	1.06±0.03
100 mm	s	0.05	0.005	0.06	0.01	0.06
filter	CV	5.7	5.3	7.9	13.1	5.5
soft pack						
Doral II	$\bar{X}$	0.55±0.03	0.054±0.003	0.53±0.04	0.04±0.005	0.65±0.03
king size	s	0.07	0.006	0.08	0.01	0.08
filter	CV	11.8	10.4	15.1	24.3	11.7
soft pack						
Doral II	$\bar{X}$	0.57±0.03	0.057±0.003	0.51±0.04	0.05±0.01	0.67±0.04
king size	s	0.07	0.006	0.09	0.01	0.08
filter menthol	CV	12.1	10.9	17.0	24.3	12.1
soft pack						
DuMaurier	$\bar{X}$	1.98±0.07	0.135±0.005	2.22±0.06	0.40±0.04	2.52±0.10
king size	s	0.15	0.011	0.14	0.08	0.22
filter	CV	7.5	8.3	6.3	19.4	8.8
hard pack						

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Source: https://www.industrydocuments.ucsf.edu/docs/hrvl0001

Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
English Ovals	$\bar{X}$	2.66±0.08	0.217±0.008	1.48±0.05	0.38±0.03	3.26±0.11
regular size	s	0.19	0.019	0.10	0.06	0.24
non-filter	CV	7.0	8.7	7.0	15.4	7.5
hard pack						
English Ovals	$\bar{X}$	2.42±0.08	0.203±0.004	1.31±0.06	0.29±0.02	2.92±0.10
king size	s	0.17	0.010	0.14	0.04	0.22
non-filter	CV	7.2	4.9	10.6	14.8	7.5
hard pack						
Eve Lights 100's	$\bar{X}$	1.62±0.03	0.137±0.003	1.77±0.05	0.21±0.02	1.97±0.05
100 mm	s	0.07	0.006	0.10	0.04	0.11
filter	CV	4.6	4.3	5.8	18.3	5.6
soft pack						
Eve Lights 100's	$\bar{X}$	1.63±0.03	0.133±0.003	1.72±0.06	0.21±0.01	1.97±0.04
100 mm	s	0.07	0.006	0.13	0.03	0.10
filter menthol	CV	4.4	4.6	7.3	14.8	5.0
soft pack						
Eve Lights 120's	$\bar{X}$	0.98±0.04	0.085±0.003	0.83±0.04	0.08±0.01	1.15±0.05
120 mm	s	0.09	0.007	0.10	0.01	0.11
filter	CV	8.9	7.7	11.4	15.6	9.2
hard pack						
Eve Lights 120's	$\bar{X}$	1.00±0.03	0.087±0.002	0.86±0.03	0.09±0.01	1.19±0.03
120 mm	s	0.07	0.005	0.07	0.02	0.07
filter menthol	CV	6.7	5.9	8.4	21.3	6.1
hard pack						
Galaxy	$\bar{X}$	1.94±0.04	0.132±0.003	2.01±0.05	0.30±0.01	2.37±0.05
king size	s	0.09	0.006	0.11	0.03	0.11
filter	CV	4.5	4.6	5.4	8.3	4.7
soft pack						

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Source: https://www.industrydocuments.ucsf.edu/docs/hrvl0001

Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
Golden Lights king size filter soft pack	$\bar{X}$	1.07±0.04	0.103±0.004	1.15±0.05	0.10±0.01	1.28±0.05
	s	0.09	0.008	0.11	0.02	0.12
	CV	8.7	7.7	9.9	22.4	9.1
Golden Lights king size filter menthol soft pack	$\bar{X}$	1.16±0.03	0.110±0.003	1.24±0.05	0.12±0.01	1.38±0.04
	s	0.07	0.006	0.12	0.02	0.08
	CV	6.0	5.3	9.6	14.5	6.1
Golden Lights 100's 100 mm filter soft pack	$\bar{X}$	0.93±0.03	0.094±0.003	0.96±0.06	0.08±0.004	1.11±0.04
	s	0.08	0.007	0.13	0.01	0.09
	CV	8.0	7.8	13.4	11.2	8.0
Golden Lights 100's 100 mm filter menthol soft pack	$\bar{X}$	0.84±0.05	0.085±0.004	0.88±0.07	0.07±0.01	1.00±0.05
	s	0.10	0.009	0.15	0.01	0.12
	CV	12.4	10.2	16.6	15.4	11.9
Half & Half king size filter soft pack	$\bar{X}$	1.78±0.04	0.151±0.003	1.69±0.04	0.38±0.03	2.31±0.07
	s	0.09	0.006	0.08	0.06	0.15
	CV	5.2	4.3	5.0	16.5	6.4
Herbert Tareyton king size non-filter soft pack	$\bar{X}$	2.94±0.08	0.207±0.005	2.04±0.05	0.47±0.02	3.62±0.10
	s	0.18	0.011	0.11	0.05	0.22
	CV	6.0	5.4	5.2	9.8	6.1
Iceberg 100's 100 mm filter menthol soft pack	$\bar{X}$	0.30±0.01	0.034±0.002	0.43±0.02	0.02±0.003	0.36±0.01
	s	0.03	0.003	0.03	0.01	0.03
	CV	9.0	10.1	7.8	26.6	9.3

PM3000763314

Source: https://www.industrydocuments.ucsf.edu/docs/hrvl0001

Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
Kent Micronite II king size filter hard pack	$\bar{X}$	1.63±0.05	0.127±0.004	1.65±0.06	0.26±0.02	2.01±0.06
	s	0.11	0.008	0.13	0.04	0.14
	CV	6.6	6.4	8.1	17.0	7.2
Kent Micronite II king size filter soft pack	$\bar{X}$	1.49±0.03	0.123±0.003	1.50±0.04	0.21±0.02	1.82±0.05
	s	0.07	0.006	0.09	0.04	0.10
	CV	4.6	4.7	6.3	19.5	5.6
Kent Micronite II 100 mm filter soft pack	$\bar{X}$	1.54±0.04	0.126±0.003	1.46±0.05	0.17±0.01	1.83±0.05
	s	0.10	0.007	0.11	0.02	0.12
	CV	6.2	5.4	7.3	13.4	6.6
Kent Micronite II 100 mm filter menthol soft pack	$\bar{X}$	1.61±0.04	0.142±0.004	1.53±0.05	0.18±0.01	1.94±0.05
	s	0.09	0.009	0.11	0.03	0.11
	CV	5.4	6.1	7.1	13.9	5.6
Kent III king size filter soft pack	$\bar{X}$	0.34±0.02	0.047±0.002	0.40±0.02	0.03±0.004	0.42±0.02
	s	0.04	0.005	0.05	0.01	0.05
	CV	12.4	10.5	13.3	33.4	12.0
Kent III 100 mm filter soft pack	$\bar{X}$	0.53±0.03	0.064±0.002	0.78±0.03	0.04±0.01	0.63±0.03
	s	0.06	0.005	0.06	0.02	0.06
	CV	10.9	7.9	7.3	37.1	10.2
Kool regular size non-filter menthol soft pack	$\bar{X}$	2.89±0.10	0.173±0.006	2.24±0.05	0.43±0.03	3.49±0.14
	s	0.23	0.014	0.12	0.07	0.31
	CV	8.1	8.1	5.4	17.3	8.9

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Source: https://www.industrydocuments.ucsf.edu/docs/hrvl0001

Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
Kool king size filter menthol hard pack	$\bar{X}$	2.20±0.03	0.163±0.003	2.28±0.04	0.50±0.04	2.86±0.07
	s	0.07	0.006	0.09	0.10	0.15
	CV	3.3	3.9	4.1	19.3	5.2
Kool king size filter menthol soft pack	$\bar{X}$	2.29±0.03	0.165±0.003	2.11±0.04	0.56±0.05	3.01±0.07
	s	0.08	0.007	0.10	0.10	0.15
	CV	3.3	4.2	4.6	18.5	4.9
Kool Milds king size filter menthol soft pack	$\bar{X}$	1.56±0.04	0.124±0.003	1.74±0.05	0.23±0.03	1.91±0.07
	s	0.10	0.008	0.10	0.06	0.15
	CV	6.3	6.3	5.9	24.8	8.0
Kool Milds 100 mm filter menthol soft pack	$\bar{X}$	1.30±0.03	0.104±0.003	1.52±0.04	0.13±0.005	1.54±0.03
	s	0.06	0.006	0.09	0.01	0.08
	CV	4.7	5.8	6.2	8.7	4.9
Kool Lights king size filter menthol soft pack	$\bar{X}$	1.19±0.03	0.099±0.003	1.37±0.05	0.13±0.01	1.41±0.04
	s	0.08	0.006	0.11	0.02	0.09
	CV	6.4	6.5	8.4	13.5	6.4
Kool Lights 100's 100 mm filter menthol soft pack	$\bar{X}$	1.19±0.04	0.099±0.003	1.25±0.04	0.11±0.01	1.40±0.04
	s	0.08	0.007	0.09	0.01	0.10
	CV	7.1	6.9	7.4	10.5	7.1
Kool Super Lights king size filter menthol soft pack	$\bar{X}$	0.80±0.04	0.071±0.002	0.88±0.05	0.07±0.01	0.95±0.05
	s	0.09	0.005	0.11	0.02	0.11
	CV	11.2	7.7	12.2	21.9	11.3

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Source: https://www.industrydocuments.ucsf.edu/docs/hrvl0001

Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
Kool Super Lights 100's	$\bar{X}$	1.09±0.04	0.083±0.003	1.38±0.05	0.10±0.01	1.27±0.05
100 mm	s	0.09	0.007	0.12	0.01	0.11
filter menthol	CV	8.6	8.8	8.7	14.3	8.7
soft pack						
Kool Super Longs 100's	$\bar{X}$	1.74±0.06	0.125±0.004	2.04±0.07	0.24±0.02	2.11±0.07
100 mm	s	0.13	0.009	0.16	0.04	0.16
filter menthol	CV	7.7	6.8	8.1	15.6	7.5
soft pack						
Kool Ultra	$\bar{X}$	0.21±0.04	0.022±0.004	0.21±0.04	0.01±0.01	0.24±0.05
king size	s	0.09	0.008	0.08	0.01	0.11
filter menthol	CV	43.4	37.1	40.2	110.6	44.8
soft pack						
Kool Ultra 100's	$\bar{X}$	0.41±0.03	0.044±0.003	0.38±0.03	0.03±0.004	0.48±0.03
100mm	s	0.06	0.007	0.07	0.01	0.07
filter menthol	CV	15.3	15.3	17.8	28.3	15.5
soft pack						
L & M	$\bar{X}$	2.14±0.05	0.155±0.005	2.20±0.05	0.56±0.07	2.85±0.12
king size	s	0.12	0.011	0.11	0.16	0.27
filter	CV	5.4	7.2	5.1	28.9	9.5
hard pack						
L & M	$\bar{X}$	2.04±0.05	0.149±0.004	2.15±0.06	0.42±0.03	2.61±0.07
king size	s	0.11	0.008	0.13	0.08	0.17
filter	CV	5.3	5.3	6.0	17.9	6.4
soft pack						
L & M	$\bar{X}$	1.86±0.04	0.146±0.004	2.09±0.05	0.26±0.02	2.26±0.05
100 mm	s	0.08	0.009	0.11	0.03	0.11
filter	CV	4.4	6.1	5.5	13.6	4.9
soft pack						

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Source: https://www.industrydocuments.ucsf.edu/docs/hrvl0001

Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
L & M Lights	$\bar{X}$	1.06±0.05	0.108±0.004	0.92±0.05	0.09±0.01	1.26±0.06
king size	s	0.11	0.009	0.11	0.01	0.12
filter	CV	10.1	8.0	12.2	15.6	9.8
soft pack						
L & M Lights	$\bar{X}$	0.89±0.03	0.096±0.003	0.72±0.02	0.07±0.004	1.05±0.03
100 mm	s	0.06	0.008	0.05	0.01	0.07
filter	CV	7.1	8.1	7.2	13.3	7.0
soft pack						
L & M Lights	$\bar{X}$	0.86±0.02	0.092±0.002	0.68±0.03	0.06±0.004	1.01±0.02
100 mm	s	0.04	0.005	0.08	0.01	0.05
filter menthol	CV	4.3	4.9	11.4	14.7	4.5
soft pack						
Lark	$\bar{X}$	1.95±0.05	0.156±0.004	1.85±0.06	0.41±0.03	2.52±0.08
king size	s	0.12	0.008	0.13	0.06	0.18
filter	CV	6.2	5.3	7.3	14.9	7.0
soft pack						
Lark	$\bar{X}$	1.74±0.04	0.147±0.004	1.65±0.05	0.28±0.02	2.17±0.06
100 mm	s	0.09	0.008	0.11	0.05	0.14
filter	CV	5.3	5.5	6.8	16.3	6.4
soft pack						
Lark Lights	$\bar{X}$	1.89±0.04	0.151±0.003	1.85±0.03	0.37±0.03	2.41±0.06
king size	s	0.10	0.007	0.08	0.06	0.14
filter	CV	5.3	4.6	4.2	15.2	5.8
soft pack						
Lark Lights 100's	$\bar{X}$	1.76±0.04	0.148±0.002	1.71±0.04	0.24±0.01	2.14±0.05
100 mm	s	0.08	0.006	0.10	0.03	0.11
filter	CV	4.7	3.8	5.8	13.1	5.0
soft pack						

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Source: https://www.industrydocuments.ucsf.edu/docs/hrvl0001

Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
Long Johns	$\bar{X}$	1.10±0.04	0.093±0.003	1.17±0.05	0.11±0.01	1.30±0.04
120 mm	s	0.08	0.007	0.12	0.01	0.10
filter	CV	7.5	7.0	10.2	13.4	7.7
soft pack						
Long Johns	$\bar{X}$	1.05±0.04	0.095±0.003	1.19±0.07	0.10±0.01	1.25±0.04
120 mm	s	0.08	0.006	0.16	0.01	0.09
filter menthol	CV	7.6	6.3	13.8	11.8	7.5
soft pack						
Lucky Strike	$\bar{X}$	3.26±0.07	0.208±0.004	2.25±0.04	0.61±0.03	4.08±0.09
regular size	s	0.15	0.009	0.10	0.07	0.21
non-filter	CV	4.5	4.4	4.4	11.5	5.2
soft pack						
Lucky Ten	$\bar{X}$	1.20±0.03	0.103±0.003	1.47±0.04	0.12±0.01	1.42±0.04
king size	s	0.06	0.006	0.09	0.02	0.08
filter	CV	5.1	6.0	6.2	15.7	5.7
soft pack						
Lucky 100's	$\bar{X}$	0.38±0.02	0.041±0.002	0.59±0.03	0.03±0.003	0.45±0.02
100 mm	s	0.04	0.004	0.06	0.01	0.05
filter	CV	10.4	10.1	10.2	19.2	10.3
soft pack						
Marlboro	$\bar{X}$	1.98±0.04	0.135±0.003	1.81±0.04	0.38±0.03	2.50±0.06
king size	s	0.09	0.006	0.09	0.06	0.14
filter	CV	4.7	4.7	4.8	14.9	5.8
hard pack						
Marlboro	$\bar{X}$	1.88±0.05	0.122±0.003	1.81±0.04	0.39±0.04	2.39±0.09
king size	s	0.12	0.006	0.10	0.09	0.20
filter menthol	CV	6.4	4.9	5.2	22.1	8.4
hard pack						

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Source: https://www.industrydocuments.ucsf.edu/docs/hrvl0001

Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
Marlboro	$\bar{X}$	1.93±0.04	0.132±0.003	1.80±0.04	0.35±0.03	2.41±0.07
king size	s	0.09	0.006	0.09	0.07	0.15
filter	CV	4.5	4.5	5.0	19.1	6.1
soft pack						
Marlboro	$\bar{X}$	1.78±0.03	0.118±0.003	1.78±0.05	0.28±0.02	2.18±0.05
king size	s	0.08	0.007	0.11	0.04	0.10
filter menthol	CV	4.2	5.7	6.1	12.6	4.7
soft pack						
Marlboro 100's	$\bar{X}$	1.72±0.04	0.123±0.002	1.79±0.04	0.23±0.01	2.07±0.05
100 mm	s	0.08	0.005	0.09	0.03	0.11
filter	CV	4.8	4.4	5.0	13.3	5.4
hard pack						
Marlboro 100's	$\bar{X}$	1.69±0.03	0.122±0.003	1.70±0.04	0.22±0.01	2.03±0.04
100 mm	s	0.07	0.007	0.08	0.03	0.10
filter	CV	4.4	5.5	4.7	12.2	4.8
soft pack						
Marlboro Lights	$\bar{X}$	1.37±0.03	0.103±0.002	1.60±0.04	0.15±0.01	1.63±0.04
king size	s	0.07	0.004	0.09	0.02	0.09
filter	CV	5.3	4.1	5.7	14.7	5.6
hard pack						
Marlboro Lights	$\bar{X}$	1.44±0.04	0.106±0.003	1.66±0.05	0.17±0.01	1.71±0.05
king size	s	0.09	0.006	0.10	0.02	0.11
filter	CV	6.3	5.8	6.2	10.3	6.4
soft pack						
Marlboro Lights 100's	$\bar{X}$	1.13±0.03	0.089±0.002	1.33±0.04	0.11±0.01	1.33±0.04
100 mm	s	0.07	0.005	0.10	0.01	0.08
filter	CV	6.0	5.7	7.1	10.7	6.0
soft pack						

PM3000763320

Source: https://www.industrydocuments.ucsf.edu/docs/hrvl0001

Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
Max	$\bar{X}$	1.78±0.05	0.152±0.005	1.68±0.05	0.26±0.01	2.20±0.07
120 mm	s	0.12	0.011	0.12	0.03	0.15
filter	CV	6.5	7.4	7.2	11.6	6.6
soft pack						
Max	$\bar{X}$	1.74±0.05	0.149±0.004	1.63±0.07	0.27±0.02	2.16±0.06
120 mm	s	0.11	0.009	0.15	0.04	0.14
filter menthol	CV	6.3	5.8	9.4	15.2	6.7
soft pack						
Merit	$\bar{X}$	0.99±0.04	0.076±0.003	1.32±0.06	0.11±0.01	1.18±0.05
king size	s	0.08	0.006	0.13	0.02	0.11
filter	CV	8.5	8.0	9.5	19.7	9.2
soft pack						
Merit	$\bar{X}$	1.01±0.03	0.077±0.002	1.34±0.04	0.10±0.005	1.19±0.04
king size	s	0.08	0.005	0.09	0.01	0.09
filter menthol	CV	7.5	7.0	6.6	10.8	7.2
soft pack						
Merit 100's	$\bar{X}$	1.02±0.03	0.078±0.002	1.27±0.04	0.10±0.01	1.20±0.03
100 mm	s	0.06	0.005	0.09	0.01	0.07
filter	CV	5.7	6.3	7.4	13.3	6.0
soft pack						
Merit 100's	$\bar{X}$	0.99±0.03	0.077±0.003	1.22±0.04	0.09±0.004	1.16±0.03
100 mm	s	0.07	0.006	0.09	0.01	0.08
filter menthol	CV	6.7	8.1	7.6	9.8	6.6
soft pack						
Merit Ultra Lights	$\bar{X}$	0.45±0.02	0.045±0.002	0.59±0.03	0.04±0.004	0.53±0.02
king size	s	0.04	0.004	0.08	0.01	0.05
filter	CV	10.0	9.5	13.2	22.6	9.7
soft pack						

PM3000763321

Source: https://www.industrydocuments.ucsf.edu/docs/hrvl0001

Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
Merit Ultra Lights	$\bar{X}$	0.42±0.02	0.042±0.002	0.53±0.03	0.03±0.004	0.50±0.03
king size	s	0.06	0.005	0.08	0.01	0.07
filter menthol	CV	13.1	10.8	14.7	27.1	13.1
soft pack						
Montclair	$\bar{X}$	2.13±0.04	0.150±0.003	2.17±0.04	0.58±0.05	2.86±0.07
king size	s	0.08	0.007	0.09	0.10	0.16
filter menthol	CV	3.7	4.8	4.2	17.8	5.7
soft pack						
More Lights 100's	$\bar{X}$	0.96±0.02	0.082±0.003	1.08±0.03	0.10±0.01	1.14±0.03
100mm	s	0.05	0.006	0.07	0.01	0.06
filter	CV	4.7	7.7	6.3	12.1	5.0
hard pack						
More Lights 100's	$\bar{X}$	0.88±0.04	0.082±0.003	1.12±0.04	0.09±0.01	1.05±0.04
100mm	s	0.08	0.007	0.10	0.01	0.10
filter menthol	CV	9.2	9.0	8.9	15.4	9.4
hard pack						
More	$\bar{X}$	1.36±0.04	0.105±0.003	1.70±0.05	0.15±0.01	1.62±0.05
120 mm	s	0.09	0.006	0.11	0.02	0.11
filter	CV	6.5	5.7	6.5	11.8	6.8
soft pack						
More	$\bar{X}$	1.24±0.03	0.104±0.002	1.58±0.05	0.13±0.01	1.48±0.04
120 mm	s	0.07	0.005	0.11	0.02	0.08
filter menthol	CV	5.7	5.2	7.1	12.7	5.5
soft pack						
Newport	$\bar{X}$	2.13±0.04	0.160±0.004	2.20±0.06	0.55±0.04	2.84±0.08
king size	s	0.09	0.008	0.14	0.09	0.17
filter menthol	CV	4.3	4.9	6.2	16.2	6.0
hard pack						

PM3000763322

Source: https://www.industrydocuments.ucsf.edu/docs/hrvl0001

Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
Newport king size filter menthol soft pack	$\bar{X}$	2.13±0.05	0.163±0.004	2.26±0.05	0.54±0.04	2.83±0.09
	s	0.11	0.009	0.10	0.09	0.20
	CV	5.0	5.7	4.6	17.2	7.0
Newport 100 mm filter menthol soft pack	$\bar{X}$	2.20±0.04	0.175±0.005	2.25±0.06	0.39±0.01	2.77±0.05
	s	0.08	0.011	0.14	0.03	0.11
	CV	3.8	6.1	6.1	7.7	3.9
Newport Lights king size filter menthol hard pack	$\bar{X}$	1.25±0.04	0.112±0.003	1.37±0.04	0.15±0.01	1.51±0.05
	s	0.08	0.006	0.08	0.02	0.10
	CV	6.5	5.1	6.2	15.1	6.8
Newport Lights king size filter menthol soft pack	$\bar{X}$	1.25±0.04	0.112±0.004	1.37±0.06	0.13±0.01	1.49±0.06
	s	0.10	0.008	0.13	0.03	0.13
	CV	7.9	7.1	9.4	21.4	8.5
Newport Lights 100's 100mm filter menthol soft pack	$\bar{X}$	1.03±0.03	0.098±0.003	1.09±0.05	0.10±0.01	1.23±0.04
	s	0.08	0.007	0.10	0.01	0.09
	CV	7.5	6.9	9.5	12.0	7.6
Newport Red king size filter hard pack	$\bar{X}$	1.87±0.03	0.162±0.004	2.08±0.04	0.31±0.02	2.34±0.04
	s	0.07	0.010	0.10	0.04	0.10
	CV	3.9	6.0	4.6	11.7	4.2
Newport Red king size filter soft pack	$\bar{X}$	1.83±0.03	0.155±0.002	2.07±0.04	0.31±0.02	2.29±0.04
	s	0.07	0.005	0.09	0.04	0.09
	CV	3.6	3.5	4.6	12.4	4.0

PM3000763323

Source: https://www.industrydocuments.ucsf.edu/docs/hrvl0001

Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
Northwind king size filter soft pack	$\bar{X}$	1.04±0.02	0.076±0.002	1.34±0.04	0.11±0.004	1.22±0.03
	s	0.05	0.004	0.08	0.01	0.06
	CV	5.1	4.8	6.1	9.3	4.8
Northwind 100's 100mm filter soft pack	$\bar{X}$	0.89±0.03	0.067±0.002	1.11±0.02	0.08±0.004	1.04±0.03
	s	0.06	0.004	0.05	0.01	0.07
	CV	6.9	6.3	4.4	10.3	6.9
Now king size filter hard pack	$\bar{X}$	-0.05±0.01	-	0.02±0.01	0.00±0.004	-0.05±0.01
	s	0.02	-	0.01	0.01	0.02
	CV	33.7	-	62.3	702.1	30.6
Now king size filter soft pack	$\bar{X}$	0.14±0.02	0.022±0.002	0.28±0.02	0.01±0.003	0.17±0.02
	s	0.04	0.003	0.04	0.01	0.04
	CV	25.8	15.3	14.7	65.4	24.0
Now king size filter menthol soft pack	$\bar{X}$	0.15±0.02	0.021±0.002	0.26±0.02	0.01±0.005	0.18±0.02
	s	0.04	0.004	0.05	0.01	0.05
	CV	30.0	21.2	20.3	107.3	30.0
Now 100s 100 mm filter hard pack	$\bar{X}$	-0.05±0.01	-	0.02±0.005	0.00±0.004	-0.05±0.01
	s	0.02	-	0.01	0.01	0.02
	CV	40.0	-	67.6	456.1	40.5
Now 100s 100 mm filter soft pack	$\bar{X}$	0.20±0.02	0.025±0.002	0.20±0.01	0.01±0.004	0.24±0.02
	s	0.04	0.004	0.03	0.01	0.04
	CV	17.4	14.2	16.0	60.8	16.3

PM3000763324

Source: https://www.industrydocuments.ucsf.edu/docs/hrvl0001

Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
Now 100s	$\bar{X}$	0.20±0.02	0.026±0.002	0.19±0.02	0.02±0.003	0.24±0.02
100 mm	s	0.04	0.004	0.04	0.01	0.04
filter menthol	CV	19.0	15.2	19.2	38.5	18.3
soft pack						
Oasis	$\bar{X}$	2.00±0.03	0.140±0.003	2.01±0.03	0.44±0.03	2.58±0.06
king size	s	0.08	0.007	0.08	0.06	0.13
filter menthol	CV	3.9	5.0	3.8	14.3	4.9
soft pack						
Old Gold Straights	$\bar{X}$	3.08±0.05	0.206±0.004	2.08±0.04	0.53±0.03	3.81±0.07
king size	s	0.11	0.008	0.08	0.06	0.16
non-filter	CV	3.6	3.8	4.0	10.7	4.1
soft pack						
Old Gold Filters	$\bar{X}$	2.15±0.05	0.174±0.004	2.41±0.05	0.57±0.03	2.90±0.07
king size	s	0.10	0.008	0.12	0.07	0.16
filter	CV	4.7	4.9	5.1	12.5	5.5
soft pack						
Old Gold Filter 100's	$\bar{X}$	2.18±0.04	0.180±0.005	2.17±0.04	0.39±0.03	2.75±0.06
100 mm	s	0.09	0.010	0.08	0.06	0.13
filter	CV	4.2	5.8	3.7	14.3	4.9
soft pack						
Old Gold Lights	$\bar{X}$	1.34±0.06	0.132±0.005	1.51±0.07	0.15±0.01	1.62±0.07
king size	s	0.13	0.010	0.16	0.03	0.16
filter	CV	9.5	7.7	10.6	20.8	10.2
soft pack						
Omni	$\bar{X}$	0.82±0.03	0.083±0.003	0.76±0.02	0.07±0.01	0.97±0.03
100mm	s	0.06	0.006	0.05	0.02	0.07
filter menthol	CV	7.2	7.0	7.1	24.2	6.7
soft pack						

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Source: https://www.industrydocuments.ucsf.edu/docs/hrvl0001

Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
Pall Mall king size non-filter soft pack	$\bar{X}$	2.79±0.05	0.191±0.005	1.96±0.06	0.44±0.03	3.42±0.08
	s	0.12	0.010	0.14	0.06	0.17
	CV	4.4	5.3	7.0	13.2	5.1
Pall Mall king size filter soft pack	$\bar{X}$	2.08±0.04	0.153±0.003	2.20±0.07	0.50±0.03	2.74±0.06
	s	0.08	0.008	0.15	0.07	0.14
	CV	3.8	5.0	6.9	14.2	5.2
Pall Mall 100 mm filter soft pack	$\bar{X}$	1.82±0.04	0.150±0.004	1.90±0.04	0.26±0.01	2.23±0.05
	s	0.09	0.008	0.10	0.03	0.12
	CV	4.9	5.4	5.3	12.3	5.4
Pall Mall Extra Light king size filter soft pack	$\bar{X}$	0.78±0.02	0.078±0.002	0.88±0.02	0.07±0.005	0.92±0.02
	s	0.04	0.005	0.05	0.01	0.05
	CV	5.2	6.1	5.9	16.1	5.4
Pall Mall Light 100's 100 mm filter soft pack	$\bar{X}$	0.91±0.03	0.087±0.003	0.86±0.04	0.08±0.01	1.07±0.04
	s	0.08	0.006	0.10	0.01	0.09
	CV	8.5	6.6	11.6	15.5	8.7
Pall Mall Light 100's 100 mm filter menthol soft pack	$\bar{X}$	1.54±0.04	0.138±0.004	1.54±0.04	0.22±0.02	1.90±0.05
	s	0.08	0.009	0.09	0.04	0.11
	CV	5.3	6.5	5.6	18.2	6.0
Parliament Lights king size filter hard pack	$\bar{X}$	1.25±0.05	0.096±0.004	1.33±0.04	0.15±0.01	1.50±0.06
	s	0.10	0.008	0.10	0.03	0.14
	CV	8.3	8.8	7.3	22.4	9.1

PM3000763326

Source: https://www.industrydocuments.ucsf.edu/docs/hrvl0001

Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
Parliament Lights	$\bar{X}$	1.20±0.04	0.095±0.003	1.37±0.03	0.14±0.01	1.43±0.05
king size	s	0.09	0.007	0.08	0.02	0.11
filter	CV	7.1	7.5	5.7	12.8	7.4
soft pack						
Parliament Lights 100's	$\bar{X}$	1.20±0.03	0.098±0.003	1.21±0.03	0.12±0.01	1.42±0.04
100 mm	s	0.08	0.006	0.08	0.01	0.09
filter	CV	6.4	5.9	6.3	9.4	6.2
soft pack						
Philip Morris	$\bar{X}$	3.09±0.06	0.206±0.004	1.83±0.05	0.48±0.02	3.78±0.07
regular size	s	0.13	0.010	0.10	0.05	0.17
non-filter	CV	4.3	4.7	5.6	9.6	4.4
soft pack						
Philip Morris Commander	$\bar{X}$	2.86±0.06	0.194±0.004	1.70±0.05	0.41±0.02	3.47±0.09
king size	s	0.14	0.010	0.10	0.06	0.19
non-filter	CV	4.9	5.1	6.1	13.3	5.6
soft pack						
Philip Morris	$\bar{X}$	1.78±0.02	0.124±0.003	1.66±0.04	0.23±0.01	2.14±0.03
International	s	0.05	0.006	0.08	0.02	0.06
100 mm	CV	2.8	4.7	5.1	9.5	3.0
filter						
hard pack						
Philip Morris	$\bar{X}$	1.74±0.03	0.116±0.003	1.80±0.04	0.23±0.01	2.08±0.04
International	s	0.07	0.006	0.09	0.03	0.09
100 mm	CV	3.9	4.9	5.2	13.3	4.2
filter menthol						
hard pack						
Picayune	$\bar{X}$	2.80±0.06	0.204±0.004	2.29±0.08	0.36±0.03	3.36±0.09
regular size	s	0.14	0.010	0.17	0.06	0.20
non-filter	CV	5.1	4.8	7.5	16.0	5.8
soft pack						

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Source: https://www.industrydocuments.ucsf.edu/docs/hrvl0001

Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
Players	$\bar{X}$	2.97±0.08	0.241±0.007	1.81±0.08	0.34±0.02	3.55±0.11
regular size	s	0.19	0.015	0.18	0.05	0.24
non-filter	CV	6.4	6.4	9.8	15.6	6.8
hard pack						
Raleigh	$\bar{X}$	2.84±0.05	0.166±0.003	2.13±0.07	0.39±0.03	3.39±0.08
king size	s	0.12	0.008	0.15	0.06	0.17
non-filter	CV	4.1	4.6	7.0	15.7	5.1
soft pack						
Raleigh	$\bar{X}$	2.01±0.03	0.131±0.003	2.33±0.05	0.41±0.03	2.56±0.06
king size	s	0.08	0.007	0.10	0.08	0.14
filter	CV	3.8	5.5	4.4	18.4	5.7
soft pack						
Raleigh 100's	$\bar{X}$	1.80±0.03	0.126±0.003	1.97±0.04	0.24±0.01	2.17±0.04
100 mm	s	0.07	0.006	0.09	0.02	0.09
filter	CV	3.9	4.6	4.4	10.3	4.3
soft pack						
Raleigh Lights	$\bar{X}$	1.07±0.03	0.093±0.002	1.30±0.05	0.11±0.01	1.27±0.04
king size	s	0.07	0.005	0.11	0.01	0.08
filter	CV	6.8	5.3	8.1	12.1	6.6
soft pack						
Raleigh Lights 100's	$\bar{X}$	1.11±0.04	0.095±0.003	1.52±0.05	0.11±0.01	1.32±0.04
100 mm	s	0.08	0.007	0.11	0.01	0.10
filter	CV	7.2	7.5	7.4	12.2	7.3
soft pack						
St. Moritz	$\bar{X}$	1.71±0.03	0.141±0.002	1.72±0.05	0.24±0.02	2.09±0.05
100 mm	s	0.08	0.005	0.10	0.04	0.11
filter	CV	4.6	3.8	6.1	16.7	5.2
soft pack						

PM3000763328

Source: https://www.industrydocuments.ucsf.edu/docs/hrvl0001

Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
St. Moritz	$\bar{X}$	1.68±0.04	0.141±0.004	1.71±0.06	0.24±0.02	2.06±0.05
100 mm	s	0.09	0.009	0.13	0.04	0.11
filter menthol	CV	5.3	6.3	7.7	15.6	5.2
soft pack						
Salem	$\bar{X}$	1.72±0.03	0.128±0.003	1.66±0.04	0.31±0.02	2.16±0.05
king size	s	0.08	0.006	0.09	0.05	0.12
filter menthol	CV	4.4	4.9	5.5	17.7	5.6
soft pack						
Salem 100's	$\bar{X}$	1.41±0.02	0.115±0.002	1.31±0.03	0.15±0.01	1.67±0.03
100 mm	s	0.05	0.005	0.06	0.01	0.06
filter menthol	CV	3.4	4.3	4.4	9.7	3.6
soft pack						
Salem Lights	$\bar{X}$	1.15±0.03	0.092±0.002	1.46±0.03	0.12±0.01	1.36±0.04
king size	s	0.07	0.005	0.07	0.01	0.08
filter menthol	CV	6.0	5.3	5.0	12.0	6.0
soft pack						
Salem Lights 100's	$\bar{X}$	0.94±0.03	0.080±0.002	1.21±0.03	0.09±0.003	1.11±0.03
100 mm	s	0.06	0.005	0.06	0.01	0.07
filter menthol	CV	6.1	5.9	5.4	7.9	6.0
soft pack						
Salem Ultra	$\bar{X}$	0.51±0.02	0.053±0.002	0.60±0.02	0.04±0.003	0.61±0.02
king size	s	0.04	0.004	0.05	0.01	0.05
filter menthol	CV	8.4	8.3	8.0	15.3	8.4
soft pack						
Salem Ultra 100s	$\bar{X}$	0.46±0.02	0.047±0.002	0.68±0.03	0.04±0.003	0.55±0.02
100 mm	s	0.04	0.004	0.07	0.01	0.05
filter menthol	CV	8.6	7.4	10.8	17.5	8.3
soft pack						

PM3000763329

Source: https://www.industrydocuments.ucsf.edu/docs/hrvl0001

Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
Saratoga 120's 120 mm filter hard pack	$\bar{X}$	1.12±0.04	0.081±0.004	1.24±0.06	0.12±0.01	1.32±0.04
	s	0.08	0.010	0.13	0.01	0.09
	CV	7.2	12.3	10.1	10.9	7.0
Saratoga 120's 120 mm filter menthol hard pack	$\bar{X}$	1.11±0.04	0.083±0.002	1.20±0.04	0.12±0.01	1.32±0.05
	s	0.09	0.005	0.08	0.02	0.11
	CV	7.7	6.4	6.8	15.9	8.1
Silva Thins 100's 100 mm filter soft pack	$\bar{X}$	1.28±0.04	0.120±0.004	1.09±0.05	0.14±0.01	1.53±0.06
	s	0.10	0.009	0.10	0.03	0.13
	CV	7.6	7.8	9.5	19.4	8.2
Silva Thins 100's 100 mm filter menthol soft pack	$\bar{X}$	1.26±0.05	0.121±0.005	1.08±0.04	0.14±0.01	1.52±0.07
	s	0.12	0.011	0.10	0.03	0.15
	CV	9.2	9.5	9.1	21.4	9.9
Spring 100 mm filter menthol soft pack	$\bar{X}$	2.28±0.03	0.137±0.002	2.07±0.07	0.37±0.01	2.79±0.04
	s	0.07	0.004	0.15	0.03	0.08
	CV	2.9	3.2	7.0	7.0	2.8
Tall 120s 120 mm filter soft pack	$\bar{X}$	1.19±0.04	0.104±0.003	1.31±0.04	0.11±0.01	1.41±0.05
	s	0.09	0.007	0.09	0.01	0.11
	CV	7.5	7.1	7.2	11.5	7.5
Tall 120s 120 mm filter menthol soft pack	$\bar{X}$	1.11±0.04	0.099±0.003	1.22±0.07	0.10±0.01	1.31±0.05
	s	0.09	0.007	0.15	0.02	0.11
	CV	8.3	6.8	11.9	14.8	8.5

PM3000763330

Source: https://www.industrydocuments.ucsf.edu/docs/hrvl0001

Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
Tareyton	$\bar{X}$	1.82±0.04	0.139±0.003	2.03±0.06	0.45±0.04	2.41±0.07
king size	s	0.10	0.006	0.13	0.08	0.16
filter	CV	5.2	4.7	6.5	17.9	6.8
soft pack						
Tareyton 100's	$\bar{X}$	1.66±0.04	0.133±0.003	1.99±0.05	0.27±0.02	2.06±0.05
100 mm	s	0.08	0.006	0.11	0.04	0.11
filter	CV	5.1	4.6	5.7	14.4	5.3
soft pack						
Tareyton Lights	$\bar{X}$	0.63±0.04	0.060±0.003	0.72±0.05	0.06±0.01	0.75±0.04
king size	s	0.08	0.006	0.11	0.02	0.10
filter	CV	12.9	9.7	15.1	36.2	13.5
soft pack						
Tareyton Long Lights	$\bar{X}$	0.71±0.04	0.068±0.003	0.76±0.05	0.06±0.01	0.84±0.05
100 mm	s	0.09	0.008	0.11	0.02	0.11
filter	CV	12.0	11.4	14.4	31.3	12.8
soft pack						
Tareyton Ultra Low Tar	$\bar{X}$	0.13±0.05	0.017±0.004	0.19±0.06	0.01±0.01	0.16±0.05
king size	s	0.10	0.010	0.13	0.01	0.12
filter menthol	CV	78.1	56.8	67.9	146.4	76.2
soft pack						
Triumph	$\bar{X}$	0.30±0.02	0.045±0.003	0.35±0.03	0.02±0.004	0.37±0.03
king size	s	0.05	0.006	0.06	0.01	0.06
filter	CV	15.3	14.0	16.7	48.8	15.6
soft pack						
Triumph	$\bar{X}$	0.37±0.02	0.053±0.002	0.44±0.02	0.02±0.004	0.44±0.02
king size	s	0.04	0.004	0.05	0.01	0.05
filter menthol	CV	11.9	8.5	10.8	37.6	10.7
soft pack						

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Source: https://www.industrydocuments.ucsf.edu/docs/hrvl0001

Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
Triumph 100s	$\bar{X}$	0.53±0.02	0.066±0.002	0.76±0.04	0.04±0.003	0.64±0.02
100 mm	s	0.04	0.004	0.09	0.01	0.05
filter	CV	7.7	6.6	12.0	20.2	7.3
soft pack						
Triumph 100s	$\bar{X}$	0.48±0.02	0.061±0.003	0.70±0.04	0.03±0.003	0.57±0.03
100 mm	s	0.05	0.006	0.08	0.01	0.06
filter menthol	CV	10.0	9.8	11.5	23.5	10.1
soft pack						
True	$\bar{X}$	0.68±0.03	0.068±0.003	0.77±0.04	0.07±0.01	0.82±0.03
king size	s	0.06	0.006	0.09	0.01	0.07
filter	CV	9.1	9.1	12.2	21.5	9.0
soft pack						
True	$\bar{X}$	0.78±0.03	0.076±0.003	0.85±0.03	0.07±0.01	0.93±0.04
king size	s	0.08	0.006	0.08	0.01	0.09
filter menthol	CV	9.8	8.0	9.2	18.9	9.3
soft pack						
True 100's	$\bar{X}$	0.91±0.04	0.082±0.003	1.12±0.05	0.09±0.01	1.08±0.04
100 mm	s	0.08	0.006	0.11	0.02	0.10
filter	CV	9.1	7.3	9.9	16.6	9.1
soft pack						
True 100's	$\bar{X}$	0.95±0.03	0.083±0.002	1.11±0.03	0.10±0.01	1.13±0.04
100 mm	s	0.06	0.005	0.07	0.02	0.08
filter menthol	CV	6.8	5.5	6.6	15.6	7.0
soft pack						
Vantage	$\bar{X}$	1.21±0.05	0.098±0.004	1.77±0.05	0.16±0.01	1.46±0.06
king size	s	0.11	0.008	0.10	0.03	0.14
filter	CV	9.1	8.2	5.9	17.1	9.2
soft pack						

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Source: https://www.industrydocuments.ucsf.edu/docs/hrvl0001

Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
Vantage	$\bar{X}$	1.20±0.03	0.095±0.003	1.78±0.04	0.14±0.01	1.43±0.04
king size	s	0.07	0.006	0.09	0.02	0.08
filter menthol	CV	5.6	6.0	5.3	11.5	5.7
soft pack						
Vantage 100s	$\bar{X}$	0.92±0.03	0.076±0.002	1.36±0.07	0.10±0.01	1.09±0.03
100 mm	s	0.06	0.005	0.15	0.02	0.07
filter	CV	7.1	6.6	11.0	15.7	6.8
soft pack						
Vantage Ultra Lights	$\bar{X}$	0.49±0.03	0.051±0.002	0.62±0.04	0.04±0.003	0.58±0.03
king size	s	0.06	0.005	0.09	0.01	0.07
filter	CV	12.1	10.4	14.4	18.5	11.6
soft pack						
Vantage Ultra Lights 100s	$\bar{X}$	0.40±0.02	0.046±0.002	0.55±0.03	0.03±0.003	0.48±0.02
100 mm	s	0.05	0.005	0.07	0.01	0.05
filter	CV	11.6	10.2	12.7	18.6	11.2
soft pack						
Viceroy	$\bar{X}$	2.02±0.06	0.131±0.004	2.32±0.06	0.42±0.03	2.57±0.09
king size	s	0.14	0.009	0.13	0.06	0.20
filter	CV	7.1	6.6	5.8	14.9	7.6
soft pack						
Viceroy Rich Lights	$\bar{X}$	1.10±0.03	0.095±0.003	1.38±0.05	0.12±0.01	1.32±0.04
king size	s	0.08	0.007	0.12	0.02	0.09
filter	CV	6.9	7.2	8.8	16.4	6.7
soft pack						
Viceroy Rich Lights	$\bar{X}$	1.04±0.03	0.089±0.002	1.42±0.04	0.10±0.004	1.23±0.04
100 mm	s	0.07	0.005	0.09	0.01	0.08
filter	CV	7.2	5.6	6.3	8.7	6.8
soft pack						

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Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
Viceroy Super Long 100's	$\bar{X}$	1.75±0.05	0.127±0.004	2.10±0.06	0.24±0.01	2.11±0.07
100 mm	s	0.12	0.010	0.13	0.03	0.15
filter	CV	6.9	7.6	6.1	12.8	7.2
soft pack						
Virginia Slims	$\bar{X}$	1.67±0.04	0.122±0.003	1.65±0.04	0.24±0.02	2.04±0.05
100 mm	s	0.09	0.006	0.09	0.05	0.12
filter	CV	5.2	5.3	5.6	18.4	5.9
soft pack						
Virginia Slims	$\bar{X}$	1.69±0.04	0.120±0.003	1.56±0.03	0.24±0.01	2.05±0.05
100 mm	s	0.08	0.008	0.06	0.03	0.11
filter menthol	CV	5.0	6.3	3.7	11.4	5.4
soft pack						
Virginia Slims Lights	$\bar{X}$	0.88±0.03	0.071±0.002	0.95±0.04	0.09±0.01	1.04±0.04
100 mm	s	0.08	0.004	0.09	0.01	0.09
filter	CV	8.9	6.3	9.9	15.4	8.4
hard pack						
Virginia Slims Lights	$\bar{X}$	0.84±0.04	0.071±0.002	0.90±0.04	0.08±0.005	0.99±0.04
100 mm	s	0.08	0.005	0.08	0.01	0.09
filter menthol	CV	9.5	7.0	9.4	13.3	9.1
hard pack						
Winston	$\bar{X}$	1.95±0.03	0.132±0.003	1.87±0.05	0.52±0.04	2.60±0.07
king size	s	0.08	0.006	0.12	0.09	0.16
filter	CV	3.9	4.4	6.5	17.6	6.1
hard pack						
Winston	$\bar{X}$	1.82±0.04	0.129±0.002	2.06±0.06	0.37±0.03	2.31±0.06
king size	s	0.08	0.004	0.13	0.06	0.13
filter	CV	4.7	3.3	6.1	16.4	5.8
soft pack						

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Brands		Tar mg/puff	Nicotine mg/puff	CO mg/puff	Water mg/puff	TPM mg/puff
Winston 100's	$\bar{X}$	1.53±0.03	0.111±0.002	1.55±0.04	0.20±0.01	1.83±0.04
100 mm	s	0.07	0.005	0.08	0.03	0.10
filter	CV	4.8	4.3	5.2	15.8	5.4
soft pack						
Winston Lights	$\bar{X}$	1.29±0.03	0.103±0.002	1.39±0.05	0.14±0.01	1.53±0.04
king size	s	0.08	0.005	0.10	0.01	0.09
filter	CV	6.0	4.6	7.4	9.7	5.9
soft pack						
Winston Lights 100's	$\bar{X}$	1.34±0.03	0.100±0.001	1.70±0.04	0.15±0.01	1.58±0.03
100 mm	s	0.06	0.003	0.09	0.02	0.08
filter	CV	4.4	3.3	5.5	12.2	4.8
soft pack						
Winston Ultra Lights	$\bar{X}$	0.57±0.03	0.061±0.003	0.71±0.04	0.04±0.004	0.67±0.03
king size	s	0.06	0.007	0.08	0.01	0.07
filter	CV	11.0	10.9	11.6	20.4	10.7
soft pack						
Winston Ultra Lights 100's	$\bar{X}$	0.53±0.02	0.052±0.002	0.79±0.04	0.05±0.01	0.63±0.02
100 mm	s	0.05	0.005	0.10	0.01	0.05
filter	CV	8.5	8.8	12.0	25.7	8.6
soft pack						
Winston International	$\bar{X}$	2.00±0.05	0.155±0.004	1.92±0.05	0.37±0.03	2.52±0.08
100 mm	s	0.11	0.009	0.12	0.07	0.18
filter	CV	5.6	5.6	6.2	18.9	7.2
hard pack						

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BUTT LENGTH

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BRAND	BUTT LENGTH
Alpine KFMSP	28,29,30
Barclay KFHP	34,35,36,37
Barclay KFSP	34,35,36
Barclay KFMSP	33,34,35,36
Barclay 100FSP	38,39,40,41
Barclay 100FMSP	39,40
Belair KFMSP	32,33,34
Belair 100FMSP	38,39,40
Benson & Hedges RFHP	32,33,34
Benson & Hedges KFHP	32,33,34
Benson & Hedges 100's 100FHP	35,36
Benson & Hedges 100's 100FMHP	34,35,36
Benson & Hedges 100's 100FSP	34,35,36
Benson & Hedges 100's 100FMSP	34,35,36
Benson & Hedges Lights 100's 100FHP	38,39,40
Benson & Hedges Lights 100's 100FMHP	38,39,40
Benson & Hedges Lights 100's 100FSP	38,39,40,41
Benson & Hedges Lights 100's 100FMSP	38,39,40
Benson & Hedges Multifilter KFSP	32,33,34
Benson & Hedges Multifilter KFMSP	32,33,34
Bull Durham KFSP	27,28
Cambridge KFHP	38,39,40
Cambridge KFSP	34,35,36
Cambridge 100's 100FSP	38,39,40
Camel RNFSP	23
Camel Filters KFSP	33
Camel Lights KFHP	30,31
Camel Lights KFSP	24,25,26
Camel Lights 100's 100FSP	36,37,38
Carlton KFHP	32,33,34,38,39,40
Carlton KFSP	32,33,34
Carlton KFMSP	31,32,33,34
Carlton 100's 100FHP	38,39
Carlton 100's 100FMHP	34,35,36
Carlton 100's 100FSP	34,35,36
Carlton 100's 100FMSP	34,35,36
Carlton 120's 120FSP	34,35,36
Carlton 120's 120FMSP	34,35,36
Chesterfield RNFSP	23
Chesterfield KNFSP	23
Chesterfield KFSP	28,29,30
Chesterfield 101 100FSP	34,35,36
Decade KFSP	29,30,31
Decade KFMSP	33,34
Decade 100's 100FSP	34,35,36
Doral II KFSP	36,37,38
Doral II KFMSP	35,36,37,38,39
Dumaurier KFHP	30,31,32
English Ovals RNFHP	23
English Ovals KNFHP	23

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BRAND	BUTT LENGTH
Eve Lights 100's 100FSP	38,39
Eve Lights 100's 100FMSP	38,39
Eve Lights 120's 120FHP	37,38,39
Eve Lights 120's 120FMHP	37,38,39
Galaxy KFSP	29,30,31
Golden Lights KFSP	31,32,33
Golden Lights KFMSP	35,36
Golden Lights 100's 100FSP	36,37,38,39,40,41
Golden Lights 100's 100FMSP	37,38,39
Half & Half KFSP	23,24,25,26
Herbert Tareyton KNFSP	23
Iceberg 100's 100FMSP	35,36
Kent Micronite II KFHP	28,29,30
Kent Micronite II KFSP	27,28,29,30
Kent Micronite II 100FSP	35,36
Kent Micronite II 100FMSP	35,36
Kent III KFSP	35,36
Kent III 100FSP	34,35,36
Kool RNFMSP	23
Kool KFMHP	25,26,27
Kool KFMSP	29,30
Kool Milds KFMSP	29,30,31
Kool Milds 100FMSP	35,36,37
Kool Lights KFMSP	29,30
Kool Lights 100's 100FMSP	39,40
Kool Super Lights KFMSP	29,30,31
Kool Super Lights 100's 100FMSP	35,36,37
Kool Super Longs 100's 100FMSP	35,36
Kool Ultra KFMSP	34,35,36
Kool Ultra 100's 100FMSP	35,36,37
L & M KFHP	27,28,29,30
L & M KFSP	29,30,33
L & M 100FSP	38,39
L & M Lights KFSP	29,30,31
L & M Lights 100FSP	34,35,36
L & M Lights 100FMSP	34,35,36
Lark KFSP	28,29
Lark 100FSP	29,30,31
Lark Lights KFSP	29,30,31
Lark Lights 100's 100FSP	38,39
Long Johns 120FSP	38,39
Long Johns 120FMSP	34,35,36
Lucky Strike RNFSP	23
Lucky Ten KFSP	29,30,31
Lucky 100's 100FSP	30,31,32,33
Marlboro KFHP	26,27
Marlboro KFMHP	26,27
Marlboro KFSP	27,28,29,30
Marlboro KFMSP	29,30
Marlboro 100's 100FHP	31,32
Marlboro 100's 100FSP	35,36

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BRAND	BUTT LENGTH
Marlboro Lights KFSP	33,34,35,36
Marlboro Lights 100's 100FSP	35,36,37
Max 120FSP	37,38,39
Max 120FMSP	37,38,39
Merit KFSP	33,34,35,36
Merit KFMSP	33,34,35,36
Merit 100's 100FSP	30,31,32
Merit 100's 100FMSP	30,31,32
Merit Ultra Lights KFSP	35,36,37
Merit Ultra Lights KFMSP	35,36,37
Montclair KFMSP	23,24,25,26
More Lights 100's 100FHP	37,38,39
More Lights 100's 100FMHP	37,38,39
More 120FSP	41,42,43
More 120FMSP	38,39
Newport KFMHP	28,29,30
Newport KFMSP	27,28,29,30
Newport 100FMSP	34,35,36
Newport Lights KFMHP	29,30,31
Newport Lights KFMSP	34,35,36
Newport Lights 100's 100FMSP	36,37,38,39,40
Newport Red KFHP	32,33,34
Newport Red KFSP	32,33,34
Northwind KFSP	35,36
Northwind 100's 100FSP	39,40
Now KFHP	32,33,34,35,36
Now KFSP	33,34,35,36
Now KFMSP	33,34,35
Now 100s 100FHP	37,38,39
Now 100s 100FSP	36,37,38
Now 100s 100FMSP	37,38
Oasis KFMSP	27,28
Old Gold Straights KNFSP	23
Old Gold Filters KFSP	28,29,30
Old Gold Filter 100's 100FSP	34,35,36
Old Gold Lights KFSP	35,36
Omni 100FMSP	38,39
Pall Mall KNFSP	23
Pall Mall KFSP	27,28
Pall Mall 100FSP	34,35,36,37
Pall Mall Extra Light KFSP	31,32,33,34,35
Pall Mall Light 100's 100FSP	38,39
Pall Mall Light 100's 100FMSP	35,36
Parliament Lights KFHP	32,33,34,35
Parliament Lights KFSP	32,33,34
Parliament Lights 100's 100FSP	38,39,40,41
Philip Morris RNFSP	23
Philip Morris Commander KNFSP	23
Philip Morris International 100FHP	31,32,33
Philip Morris International 100FMHP	31,32,33
Picayune RNFSP	23

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BRAND	BUTT LENGTH
Players RNFHP	23
Raleigh KNFSP	23
Raleigh KFSP	29,30
Raleigh 100's 100FSP	34,35,36
Raleigh Lights KFSP	29,30,31
Raleigh Lights 100's 100FSP	37,38,39,40
St. Moritz 100FSP	36,37,38
St. Moritz 100FMSP	36,37,38
Salem KFMSP	24,25,26
Salem 100's 100FMSP	34,35
Salem Lights KFMSP	33,34,35
Salem Lights 100's 100FMSP	37,38
Salem Ultra KFMSP	32,33,34
Salem Ultra 100s 100FMSP	38
Saratoga 120's 120FHP	37,38,39
Saratoga 120's 120FMHP	37,38,39
Silva Thins 100's 100FSP	31,32,33
Silva Thins 100's 100FMSP	30,31,32,33,34
Spring 100FMSP	34,35,36
Tall 120s 120FSP	37,38,39
Tall 120s 120FMSP	37,38,39
Tareyton KFSP	27,28
Tareyton 100's 100FSP	34,35,36
Tareyton Lights KFSP	33,34,35,36,37
Tareyton Long Lights 100FSP	33,34,35,36
Tareyton Ultra Low Tar KFMSP	35,36
Triumph KFSP	34,35,36
Triumph KFMSP	34,35,36
Triumph 100s 100FSP	37,38,39
Triumph 100s 100FMSP	37,38,39
True KFSP	29,30,31
True KFMSP	29,30,31
True 100's 100FSP	34,35,36
True 100's 100FMSP	34,35,36
Vantage KFSP	33,34
Vantage KFMSP	29,30,31
Vantage 100s 100FSP	34,35,36
Vantage Ultra Lights KFSP	32,33,34
Vantage Ultra Lights 100s 100FSP	36,37,38
Viceroy KFSP	29,30
Viceroy Rich Lights KFSP	32,33,34
Viceroy Rich Lights 100FSP	29,30
Viceroy Super Long 100's 100FSP	34,35,36
Virginia Slims 100FSP	31,32,33
Virginia Slims 100FMSP	31,32,33
Virginia Slims Lights 100FHP	38,39,40
Virginia Slims Lights 100FMHP	38,39,40
Winston KFHP	26
Winston KFSP	28,29
Winston 100's 100FSP	34,35
Winston Lights KFSP	32,33,34

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BRAND	BUTT LENGTH
Winston Light 100's 100FSP	36,37,38
Winston Ultra Lights KFSP	34,35,36
Winston Ultra Lights 100's 100FSP	37,38
Winston International 100FHP	29,30,31,32

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